 <p>City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608) 270-4200</p>	<h2>CONDITIONAL USE PERMIT APPLICATION</h2>
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The undersigned owner, or owner's authorized agent, of property herein described hereby applies for a conditional use permit for the following described property:

**1. Location of Property:**

Street Address: 2050 HWY MM Fitchburg, WI 53575

Legal Description - (Metes and Bounds, or Lot No. And Plat):

metes + bounds

\*\*\*Also submit in electronic format (MS WORD or plain text) by email to: [PLANNING@FITCHBURGWI.GOV](mailto:PLANNING@FITCHBURGWI.GOV)

**2. Current Use of Property:** Vacant

**3. Proposed Use of Property:** Gas Station

**4. Proposed Development Schedule:** SEP. 2019

**5. Zoning District:** B-6

**6. Future Land Use Plan Classification:** Bus.

\*\*\*Pursuant to Section 22-3(b) of the Fitchburg Zoning Ordinance, all Conditional Use Permits shall be consistent with the currently adopted City of Fitchburg Comprehensive Plan.

\*\*\*Attach three (3) copies of a site plan which shows any proposed land divisions, plus vehicular access points and the location and size of all existing and proposed structures and parking areas. Two (2) of the three (3) copies shall be no larger than 11" x 17". Submit one (1) pdf document of the entire submittal to [planning@fitchburgwi.gov](mailto:planning@fitchburgwi.gov).

Additional information may be requested.

**Type of Residential Development (If Applicable):** \_\_\_\_\_

**No. of Dwelling Units by Bedroom:** 1 BR ☐ 2 BR ☐ 3 BR ☐ 4 or More ☐

**No. Of Parking Stalls:** \_\_\_\_\_

**Type of Non-residential Development (If Applicable):** Bus.

**Proposed Hours of Operation:** 6-9 **No. Of Employees:** \_\_\_\_\_

**Floor Area:** \_\_\_\_\_ **No. Of Parking Stalls:** \_\_\_\_\_

**Sewer:** Municipal ☐ Private ☒ **Water:** Municipal ☐ Private ☒

**Current Owner of Property:** TOWN and COUNTRY mart

**Address:** 4967 Highwood Cr. Middleton, WI. **Phone No:** 608-770-7266

**Contact Person:** Nirbhair S. Pangli

**Email:** nsPangli@yahoo.com, Pangli.SP@yahoo.com

**Address:** \_\_\_\_\_ **Phone No:** \_\_\_\_\_

**Respectfully Submitted By:** Nirbhair S. Pangli 8/20/19

Owner's or Authorized Agent's Signature

**\*\* It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an CUP application to identify any concerns or issues of surrounding residents.**

PLEASE NOTE - Applicants shall be responsible for legal or outside consultant costs incurred by the City. Submissions shall be made at least four (4) weeks prior to desired plan commission meeting.

**For City Use Only:** **Date Received:** 8/20/19 **Publish:** \_\_\_\_\_

**Ordinance Section No.** \_\_\_\_\_ **Fee Paid:** \$480.00

**Permit Request No.** CU-2313-19



Town & Country Mart

# Convenience Store

2050 County Hwy MM  
Oregon WI, 53575

BID SET

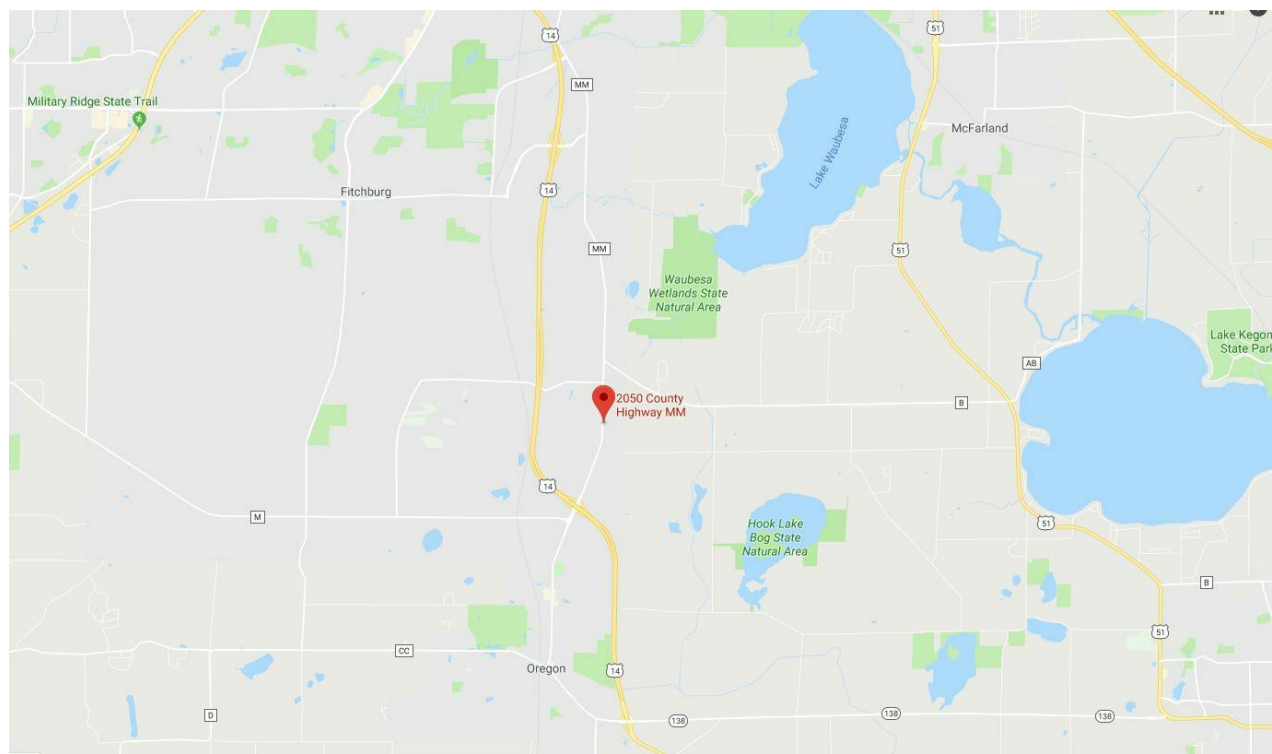
DESIGNER/SUPERVISING PROFESSIONAL

Consultant/Contractor

OWNER

Struc Rite Design, Inc.  
Boyd E. Coleman, P.E.  
President, Engineer  
805 Clinton Street  
Waukesha, WI 53186  
262.549.3222  
262.896.2079  
www.srdinc.biz

LOCATION MAP



SHEET INDEX

SHEET	Sheet Name	BID SET	STATE SUBMITTAL	REVISION 1
G1.0	COVER PAGE	10.29.2018		
C1.0	PROPOSED SITE PLAN	10.29.2018		
A1.1	FLOOR PLAN	10.29.2018		
A2.0	EXTERIOR ELEVATIONS	10.29.2018		
A5.0	STANDARD DETAILS	10.29.2018		
S1.0	FOUNDATION PLAN	10.29.2018		
S1.1	FOUNDATION DETAILS	10.29.2018		
S5.0	SPECIFICATIONS	10.29.2018		

Drawing Key:

101

DOOR TAG

1a

WINDOW TAG

e1

WALL TAG

?

PROJECT KEYED NOTE

FX

FIRE ALARM HORN & STROBE

Fb

FIRE ALARM BELL

F

FIRE ALARM PULL BOX

FACP

FIRE ALARM CONTROL PANEL

ES

EMERGENCY EXIT SIGN

FE

FIRE EXTINGUISHER

EXISTING CONSTRUCTION

NEW CONSTRUCTION

TYPICAL DIMENSION

DIMENSION SHOWING FINISH TO FINISH

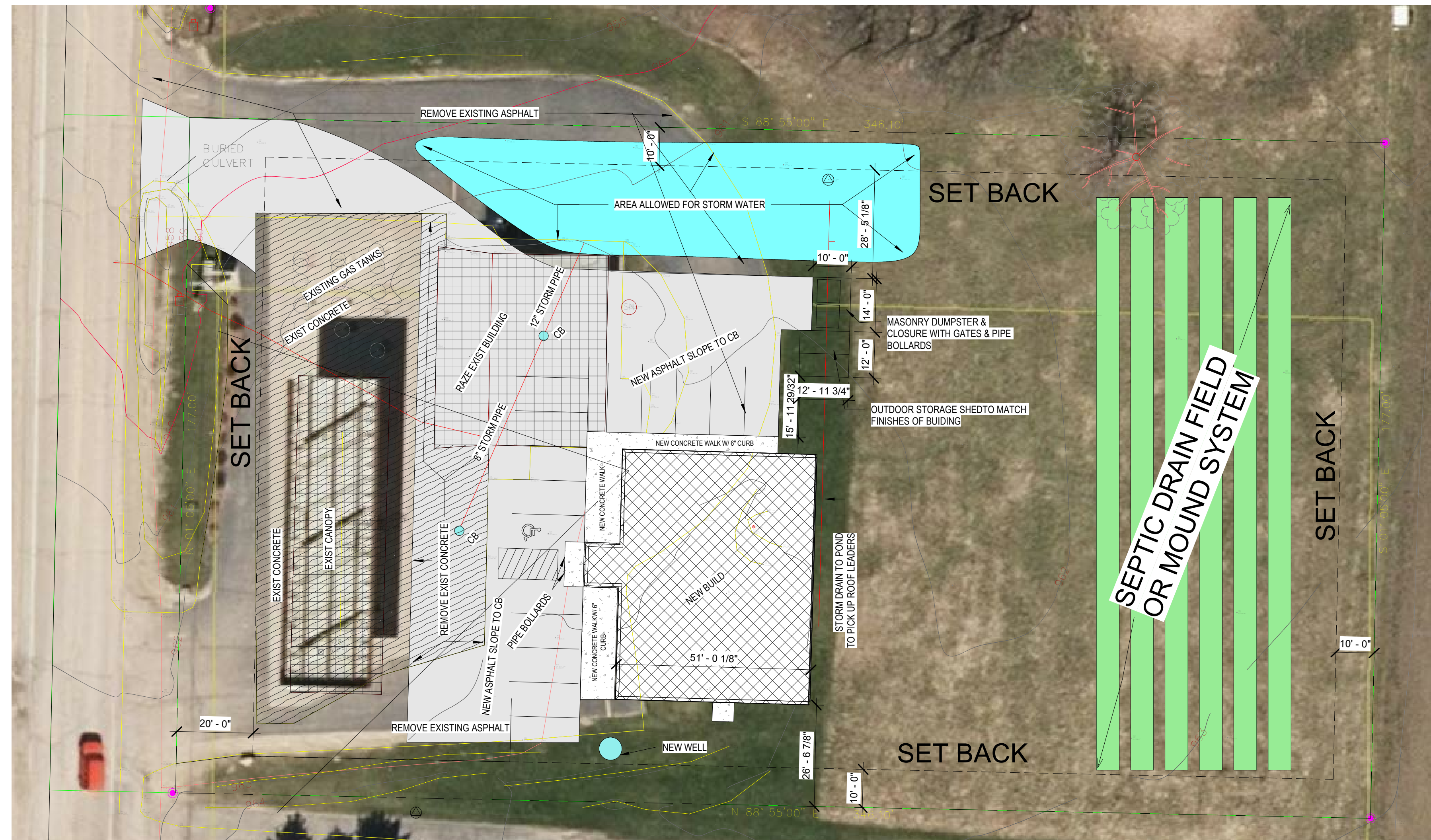
PROJECT INFORMATION: 2015 INTERNATIONAL BUILDING CODE w/ WISCONSIN AMENDMENTS									
SUBMITTAL TYPE		NEW CONSTRUCTION				MAXIMUM EXIT DISTANCE		MAXIMUM	200'-0"
TYPE OF CONSTRUCTION		VB				MAXIMUM COMMON PATH		MAXIMUM	-
NUMBER OF STORIES		1				MAXIMUM DEAD-END CORRIDOR		MAXIMUM	20'-0"
SPRINKLED		NO				TOTAL NUMBER OF EXITS		REQUIRED	2
SPRINKLER TYPE		-				REQUIRED STAIR WIDTH		REQUIRED	NA
FIRE SUPPRESSION		-				REQUIRED EGRESS WIDTH		REQUIRED	36"
FIRE ALARM		-				MAIN OCCUPANCY TYPE			
ALARM TYPE		-				ALL OCCUPANCY TYPES		M	
WATER CLOSET-MALE		REQUIRED	1	PROVIDED	2	OCCUPANCY SEPARATIONS			
WATER CLOSET-FEMALE		REQUIRED	1	PROVIDED	2	INCIDENTAL USES			
LAVATORIES		REQUIRED	2	PROVIDED	3	ALLOWABLE AREA		9,000 SQFT	
TUBS/SHOWERS		REQUIRED	-	PROVIDED	-	ACTUAL AREA FOR		M = 3,250 SQFT	
DRINKING FOUNTAINS		REQUIRED	-	PROVIDED	-	ACTUAL AREA FOR			
OTHER						ACTUAL AREA FOR			
						TOTAL ACTUAL AREA		3,250 SQFT	
						TOTAL OCCUPANT LOAD		42	

ABBREVIATIONS: THROUGHOUT THE DOCUMENTS THESE ABBREVIATIONS ARE USED TO DESCRIBE PARTIES, MATERIALS, WEIGHTS, OR DIRECTIONS RELATED TO THE CONTRACT DOCUMENTS.									
AC	AIR CONDITIONING	EA	EACH	L	LENGTH, LONG	SAB	SOUND ATTENUATION BATTS		
ACS	ACCESS PANEL	EIFS	EXTERIOR INSULATION FINISH	LAV	LAVATORY	SAG	SUPPLY AIR GRILL		
ACT	ACOUSTICAL CEILING TILE	EJ	EXPANSION JOINT	LBS	POUND(S)	SC	SOLID CORE		
ADDM	ADDENDUM	EL	ELEVATION	LKR	LOCKER	SCHED	SCHEDULE		
ADJ	ADJUSTABLE	ELEC	ELECTRICAL/ELECTRICAL	LT WT	LIGHT WEIGHT	SD	SOAP DISPENSER		
ADO	AUTOMATIC DOOR OPERATOR	ELEV	ELEVATOR	MAS	MASONRY	SECT	SECTION		
AFF	ABOVE FINISH FLOOR	EMER	EMERGENCY	MATL	MATERIAL	SHR	SHOWER		
ATL	ALTERNATE	EP	ELECTRICAL PANEL	MAX	MAXIMUM	SHT	SHEET		
ALUM	ALUMINUM	EQ	EQUAL	MECH	MECHANICAL	SHT MTL	SHEET METAL		
ANOD	ANODIZED	ECUP	EQUIPMENT	SHV	SHELF, SHELVEING	SHV	SHELF, SHELVEING		
APPROX	APPROXIMATE	ES	ELECTRIC STRIKE	MED	MEDIUM	SMI	SIMILAR		
ARCH	ARCHITECT	ETR	EXISTING TO REMAIN	MFR	MANUFACTURER	S&P	SHELF & POLE		
AUX	AUXILIARY	EWC	ELECTRIC WATER COOLER	MH	MANHOLE	SPEC	SPECIFICATION		
AVG	AVERAGE	EXH FN	EXHAUST FAN	HD	MIDDLE	SPKR	SPEAKER		
BD	BOARD	EXIST	EXISTING	MIN	MINIMUM	SQ	SQUARE		
BITUM	BITUMINOUS	EXP	EXPANSION	MIRR	MIRROR	SS	SOLID SURFACE		
BLDG	BUILDING	EXT	EXTERIOR	MISC	MISCELLANEOUS	SSK	SERVICE SINK		
BLKG	BLOCKING	FA	FIRE ALARM	MO	MASONRY OPENING	STC	SOUND TRANSMISSION		
BLKHD	BULKHEAD	FE	FIRE EXTINGUISHER	MSB	MOP SERVICE BASIN	STD	STANDARD		
BM	BEAM	FEC	FIRE EXTINGUISHER CABINET	MTD	MOUNTED	STL	STEEL		
BO_	BOTTOM OF (ITEM)	FF	FINISH FACE	MTL	METAL	STOR	STORAGE		
BO	BY OTHERS	FGL	FIBERGLASS	NIC	NOT IN CONTRACT	STRUCT	STRUCTURAL		
BS	BOTH SIDES	FHC	FIRE HOSE CABINET	NO	NUMBER	SUSP	SUSPENDED		
BT_JNT	BUTT JOINT	FN	FINISH	NOM	NOMINAL				
BTWN	BETWEEN	FIXT	FIXTURE	NTS	NOT TO SCALE	T	TREAD		
CAS	CARD ACCESS SYSTEM	FL	FLOOR LINE	OV	OVER	TEMP	TEMPORARY		
CB	CATCH BASIN	FLR	FLOOR	OA	OVERALL	T&G	TONGUE & GROOVE		
CF/CI	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED	FLUOR	FLUORESCENT	OC	ON CENTER	THK	THICKNESS		
CG	CORNER GUARD	FO	FACE OF (ITEM)	OD	OUTSIDE DIAMETER	TLT	TOILET		
CH	COAT HOOK	FOF	FACE OF FINISH	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED	TO	TO OF (ITEM)		
CJ	CONTROL JOINT	FOM	FACE OF MASONRY	OFD	OVERFLOW DRAIN	TOC	TOP OF CONCRETE		
CL	CENTER LINE	FOP	FACE OF FINISH	OH	OVERHEAD	TOF	TOP OF FOOTING		
CLG	CEILING	FP	FIRE PROOF, FIRE PROTECTION	OPD	OVERFLOW DRAIN	TOP	TOP OF PAVEMENT		
CLO	CLOSET	FR	FRAME	OH	OVERHEAD	TOS	TOP OF STEEL		
CLR	CLEAR	FT	FOOT OR FEET	OPNG	OPENING	TOW	TOP OF WALL		
CMU	CONCRETE MASONRY UNIT	FTG	FOOTING	OPP	OPPOSITE	TPD	TOILET PAPER DISPENSER		
CO	CASED OPENING	FURG	FURRING			TYP	TYPICAL		
COL	COLUMN	FV	FIELD VERIFY	PED	PEDESTAL	UCR	UNDERCOUNTER REFRIGERATOR		
CONC	CONCRETE	GA	GAGE	PERIM	PERIMETER	UL	UNDERWRITERS LABORATORY		
CONT	CONTINUE, CONTINUOUS	GAL	GALVANIZED	PL	PLATE	UNO	UNLESS NOTED OTHERWISE		
CORR	CORRIDOR	GB	GRAB BAR	PLAM	PLASTIC LAMINATE	UR	URINAL		
CPT	CARPET	GL	GLASS	PLYWD	PLYWOOD	VAV	VARIABLE AIR VOLUME		
CRS	COURSE, COURSES	GC	GENERAL CONTRACTOR	PNL_JNT	PANEL JOINT	VB	VAPOR BARRIER		
CT	CERAMIC TILE	GL	GLASS	POC	POINT OF CONNECTION	VCT	VINYL COMPOSITE TILE		
CTR	CENTER	GYP BD	GYPSPUM BOARD	PR	PAIR	VERT	VERTICAL		
CUH	CABINET UNIT HEATER	HB	HOSE BIB	PREFAB	PRE-FABRICATED	VEST	VESTIBULE		
		HDW	HARDWARE	PRELIM	PRELIMINARY	VF	VERIFY IN FIELD		
		HW	HARDWOOD	PRKG	PARKING	VR	VAPOR RETARDER		
		HM	HOLLOW METAL	PSF	POUNDS PER SQUARE FOOT	VWC	VINYL WALL COVERING		
		HORZ	HORIZONTAL	PT	PAINT				
		HP	HORSE POWER	PTD	PAPER TOWEL DISPENSER	w/	WITH		
		HR	HOUR	PTDR	PAPER TOWEL DISPENSER WITH	WC	WATERCLOSET		
		HTR	HEATER	PTM	PAINT TO MATCH	WD	WOOD		
		HVAC	HEATING, VENTILATION & AIR CONDITIONING			WF	WIDE FLANGE		
				QT	QUARRY TILE	WH	WATER HEATER		
		ID	INSIDE DIAMETER	R	RADIUS	w/o	WITHOUT		
		IN	INCH	R	RISER	WS	WORKSTATION		
		INCL	INCLUDE, INCLUDING	RA	RETURN AIR	WWM	WEDED WIRE FABRIC		
		INT	INTERIOR	RD	ROOF DRAIN	WWM	WEDED WIRE MESH		
		JAN	JANITOR	REF	REFRIGERATOR	YD	YARD(S)		
		JNT	JOINT	REFL	REFLECTED				
				REINF	REINFORCED				
				REQD	REQUIRED				
				REV	REVISION				
		KO	KNOCK OUT	RFI	REQUEST FOR INFORMATION				
		KS	KNEE SPACE	ROOM	ROOM				
				RO	ROUGH OPENING				
				ROW	RIGHT OF WAY				
				RTU	ROOF TOP UNIT				

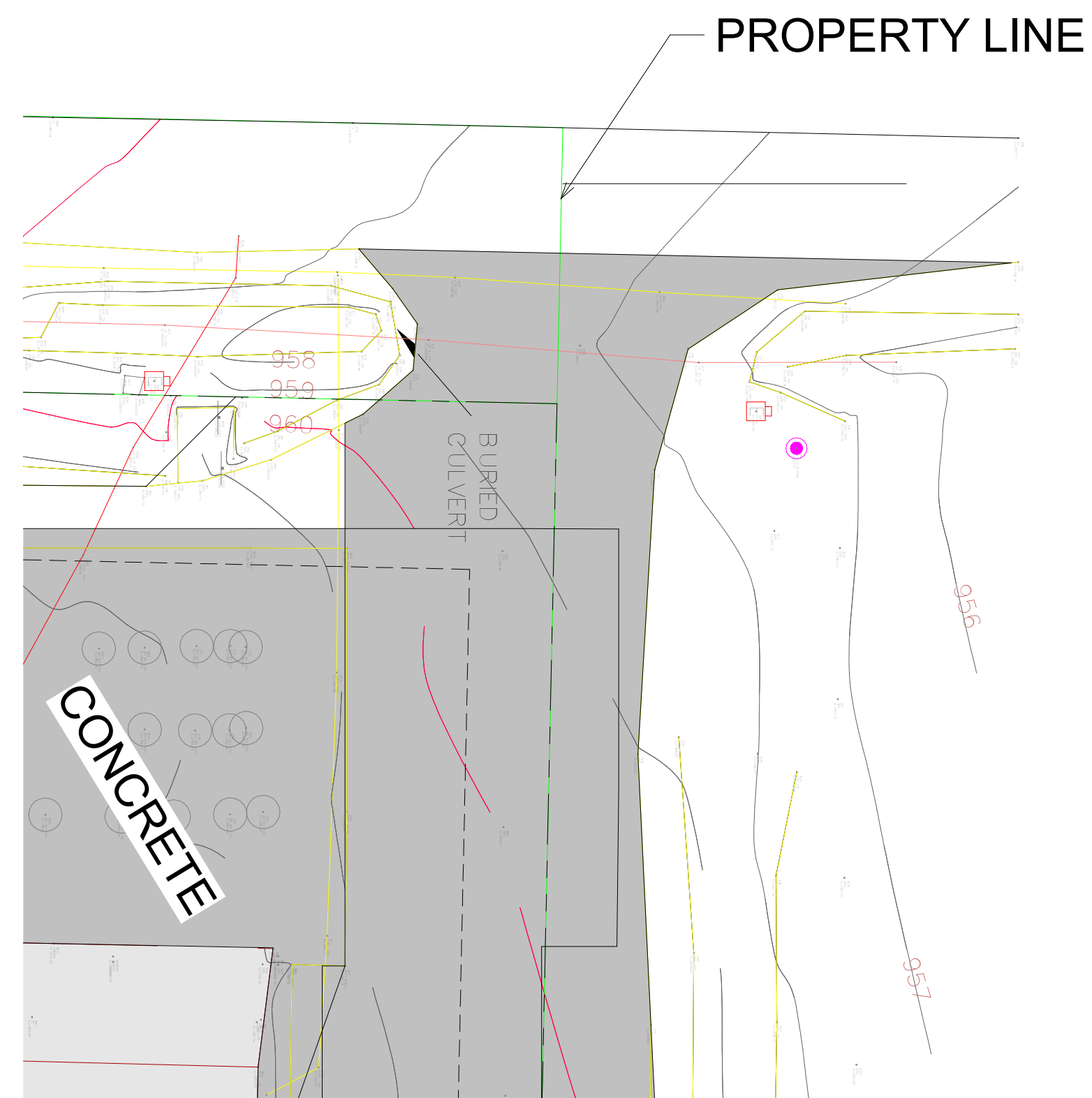


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10.29.2018

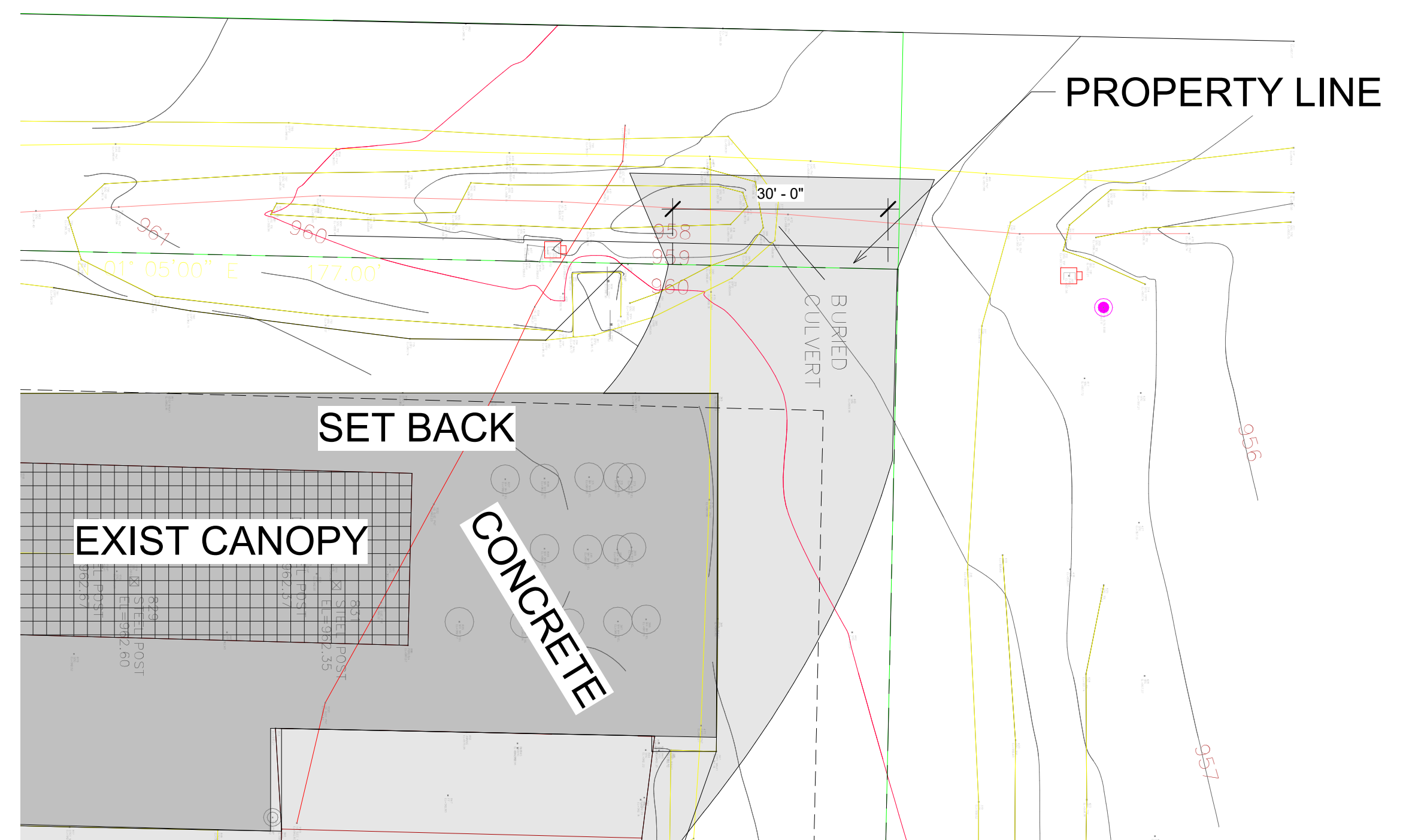
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DATE:	09.20.2018
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SHEET NUMBER:	



③ Site  
1" = 20'-0"



② EXISTING DRIVE  
1/16" = 1'-0"



① PROPOSED DRIVE  
1/16" = 1'-0"





DOOR & DOOR FRAME NOTES:

- INSULATE ALL HOLLOW METAL DOOR FRAMES WITH FIBERGLASS INSULATION.
- PROVIDE ALL HOLLOW METAL FRAMES w/ (1) COAT PRIMER & (2) COATS PAINT.
- ALL HOLLOW METAL FRAMES TO BE REINFORCED & PREPARED FOR HARDWARE.
- ALL WELDED FRAMES SHALL BE 16ga (MIN.)
- ALL HOLLOW METAL DOORS SHALL BE 16ga (MIN.)
- ALL EXTERIOR DOORS SHALL BE PROVIDED WITH WEATHERSTRIPPING.
- ALL DOOR THRESHOLDS SHALL NOT EXCEED 1/2" IN HEIGHT.
- ALL DOORS SHALL MEET A.D.A. REQUIREMENTS.
- PROVIDE LEVER TYPE HANDLES ON ALL DOORS.
- PROVIDE CAULKING AT ALL DOOR FRAMES, WINDOWS & WHERE NOTED ON PLANS.
- PROVIDE DOOR COORDINATORS ON PAIRS OF DOORS AS REQUIRED.
- VERIFY w/ H.V.A.C. CONTRACTOR FOR DOOR UNDERCUTS & GRILLES.
- ALL SIGNAGE TO ME MOUNTED AT A.D.A. HEIGHT (SEE GENERAL SPECIFICATIONS).
- UNLESS NOTED OTHERWISE, ALL EXTERIOR WALK DOORS SHALL HAVE A U-FACTOR OF 0.45 OR BETTER.

DOOR HARDWARE NOTES:

- ALL HANDLES, PULLS, LATCHES, LOCKS, & OTHER PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND & DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. SUCH HARDWARE SHALL BE 34 INCHES MINIMUM TO 48 INCHES MAXIMUM ABOVE THE FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
- DOOR CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.
- DOOR SWING HINGES SHALL BE ADJUSTED SO THAT THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM, MEASURED UNDER AMBIENT CONDITIONS.

GENERAL WINDOW NOTES:

- GENERAL CONTRACTOR IS TO VERIFY THE REQUIRED ROUGH OPENING SIZE REQUIRED FOR EACH WINDOW, & THAT ALL OPENINGS HAVE BEEN PREPARED PER MANUFACTURER'S SPECIFICATIONS & PER THE DETAILS IN THIS DRAWING SET.
- FIELD VERIFICATION OF EACH OPENING SHALL BE COORDINATED WITH WINDOW SUPPLIER PRIOR TO WINDOW INSTALLATION TO ENSURE PROPER FITTING.

COMMERCIAL STOREFRONT WINDOW NOTES:

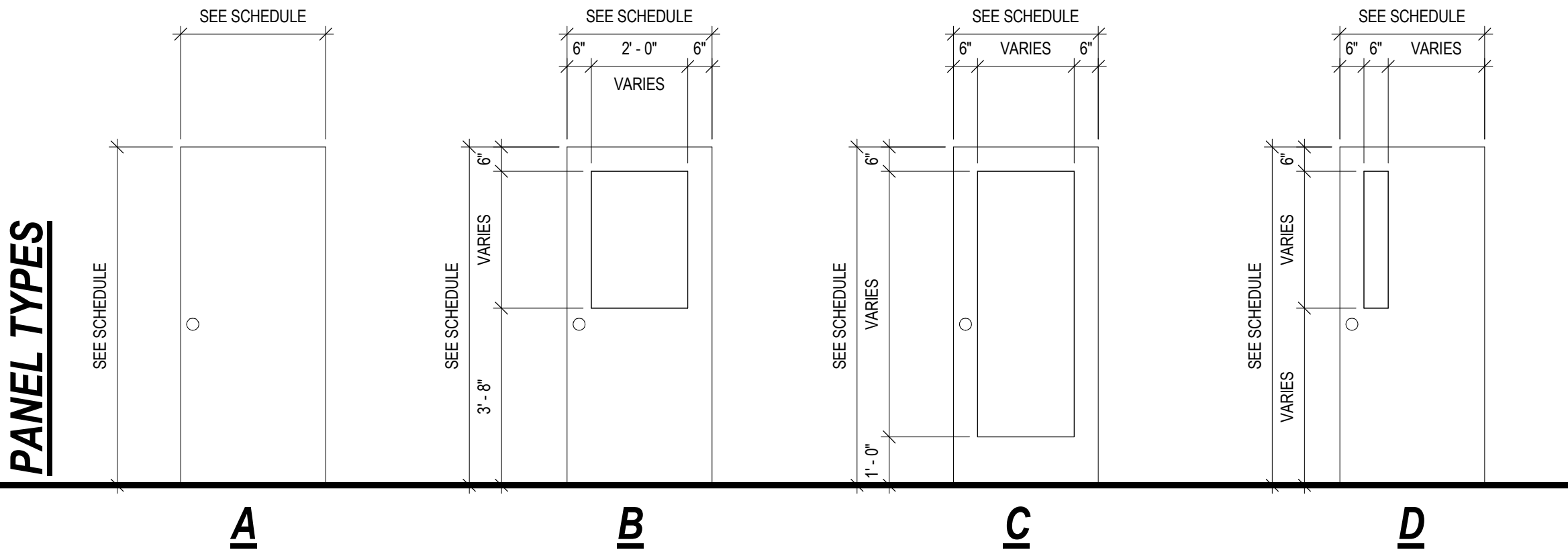
- ALL STOREFRONT GLAZING SYSTEMS TO BE PREFINISHED EXTRUDED ALUMINUM THERMALLY BROKEN FRAMES.
- OVERALL WINDOW ASSEMBLY U-FACTOR TO BE 0.35 OR BETTER, UNLESS NOTED OTHERWISE.
- WINDOW FRAME INSTALLATION TO FOLLOW MANUFACTURER'S SPECIFICATIONS & WINDOW DETAILS IN DRAWING SET.
- PROVIDE SAFETY GLAZING WHERE REQUIRED BY CODE.

WINDOW SCHEDULE				
MARK	WINDOW SIZE		QTY.	COMMENTS
	WIDTH	HEIGHT		
AA	4' - 0"	2' - 0"	4	
BB	5' - 0"	2' - 0"	3	
CC	6' - 0"	6' - 0"	2	
			9	

DOOR SCHEDULE

MARK	LOCATION	WIDTH	HEIGHT	DOOR PANEL			DOOR FRAME		COMMENTS
				TYPE	MATERIAL	FINISH	MATERIAL	FINISH	
100	VESTIBULE	6' - 0"	7' - 0"	C	ALUM	PRE	ALUM	PRE	PUSH / PULL HARDWARE
101	VESTIBULE	6' - 0"	7' - 0"	C	ALUM	PRE	ALUM	PRE	PUSH / PULL HARDWARE
102	OFFICE	3' - 0"	7' - 0"	A	WOOD	STAIN	HM	PRE	LEVER TYPE HANDLE w/ LOCKSET
103	STORAGE	3' - 0"	7' - 0"	A	WOOD	STAIN	HM	PRE	LEVER TYPE HANDLE w/ LOCKSET
104	MENS BATHROOM	3' - 0"	7' - 0"	A	WOOD	STAIN	HM	PRE	PUSH / PULL HARDWARE
105	WOMENS BATHROOM	3' - 0"	7' - 0"	A	WOOD	STAIN	HM	PRE	PUSH / PULL HARDWARE
106	BEER CAVE	3' - 0"	7' - 0"	C	ALUM	PRE	ALUM	PRE	PUSH / PULL HARDWARE
107	FREEZER	3' - 0"	7' - 0"	A	ALUM	PRE	ALUM	PRE	LOCKSET
108	COOLER	3' - 0"	7' - 0"	A	ALUM	PRE	ALUM	PRE	LOCKSET
109	SIDE EXIT	3' - 0"	7' - 0"	A	STEEL	PRE	STEEL	PRE	EMERGENCY EXIT PANIC BAR w/ ALARM - NO HARDWARE ON EXTERIOR
10									

PANEL TYPES

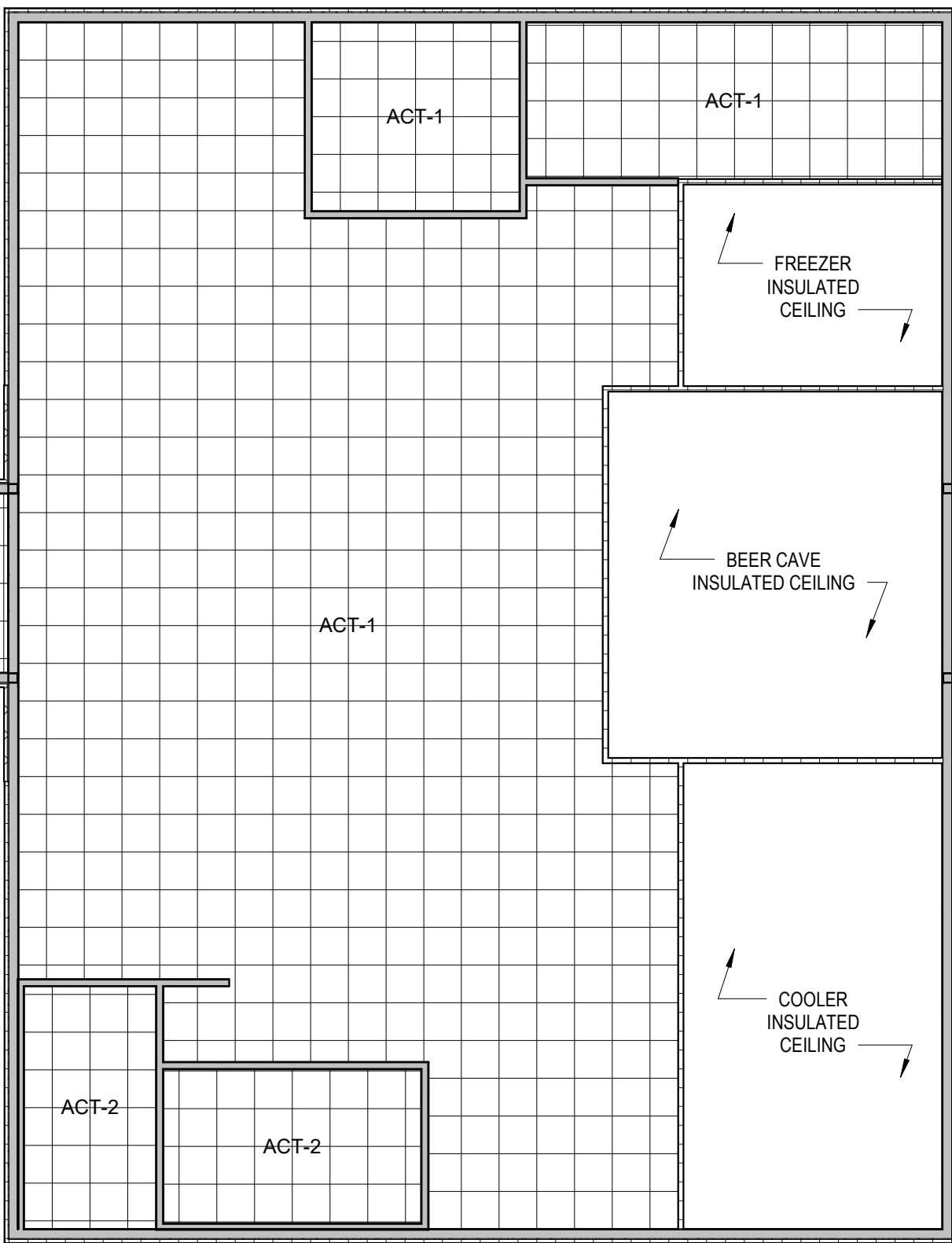


GENERAL REFLECTED CEILING PLAN NOTES:

- CONTRACTOR SHALL FOLLOW CEILING GRID PATTERN ESTABLISHED ON REFLECTED CEILING PLAN. ANY VARIATION SHALL BE APPROVED BY STRUC RITE DESIGN.
- MOUNT SUPPLY AIR DIFFUSERS IN THE CENTER OF WHOLE CEILING PANELS.
- WIRE CEILING FROM STRUCTURE ABOVE AND WIRE FOR ADDITIONAL LOAD AT LIGHTS AND CEILING DIFFUSERS.
- CEILING TYPE AND HEIGHT NOTED ON REFLECTED CEILING PLAN.
- SOME HALLWAY CEILING PANEL LAYOUTS HAVE BEEN ADJUSTED AT A CHANGE IN HALLWAY DIRECTION TO ACCOMMODATE LIGHT LAYOUT.
- ADHERE A RIGID PANEL BACKER TO PANELS AT LOCATION WHICH INDICATES SPEAKERS, DIFFUSERS, LIGHTS SMOKE DETECTORS AND EXIT LIGHTS.
- PROVIDE 2'-0" CEILING GRID CROSS SECTION TEE AT EACH RETURN GRILL.
- UNLESS NOTED OTHERWISE, CEILING SHALL BE SUSPENDED METAL TEE AND ACOUSTICAL TILE 2'-0" x 2'-0", TYPICAL. REFER TO ROOM FINISH SCHEDULE FOR MFG. AND STYLE. SUSPENDED SYSTEM IN "WET" AREAS SHALL BE ALUMN.

SUSPENDED CEILING ASSEMBLIES:

- ACT-1 24" x 24" LAY-IN TILES; USG ECLIPSE CLIMA PLUS, PROFILE FL w/ USG CENTRICITEE DXT GRID, COLOR: FLAT WHITE
- ACT-2 24" x 24" LAY-IN TILES; USG SHEETROCK CLIMA PLUS, PROFILE; SQ w/ USG DXL GRID, COLOR: FLAT WHITE



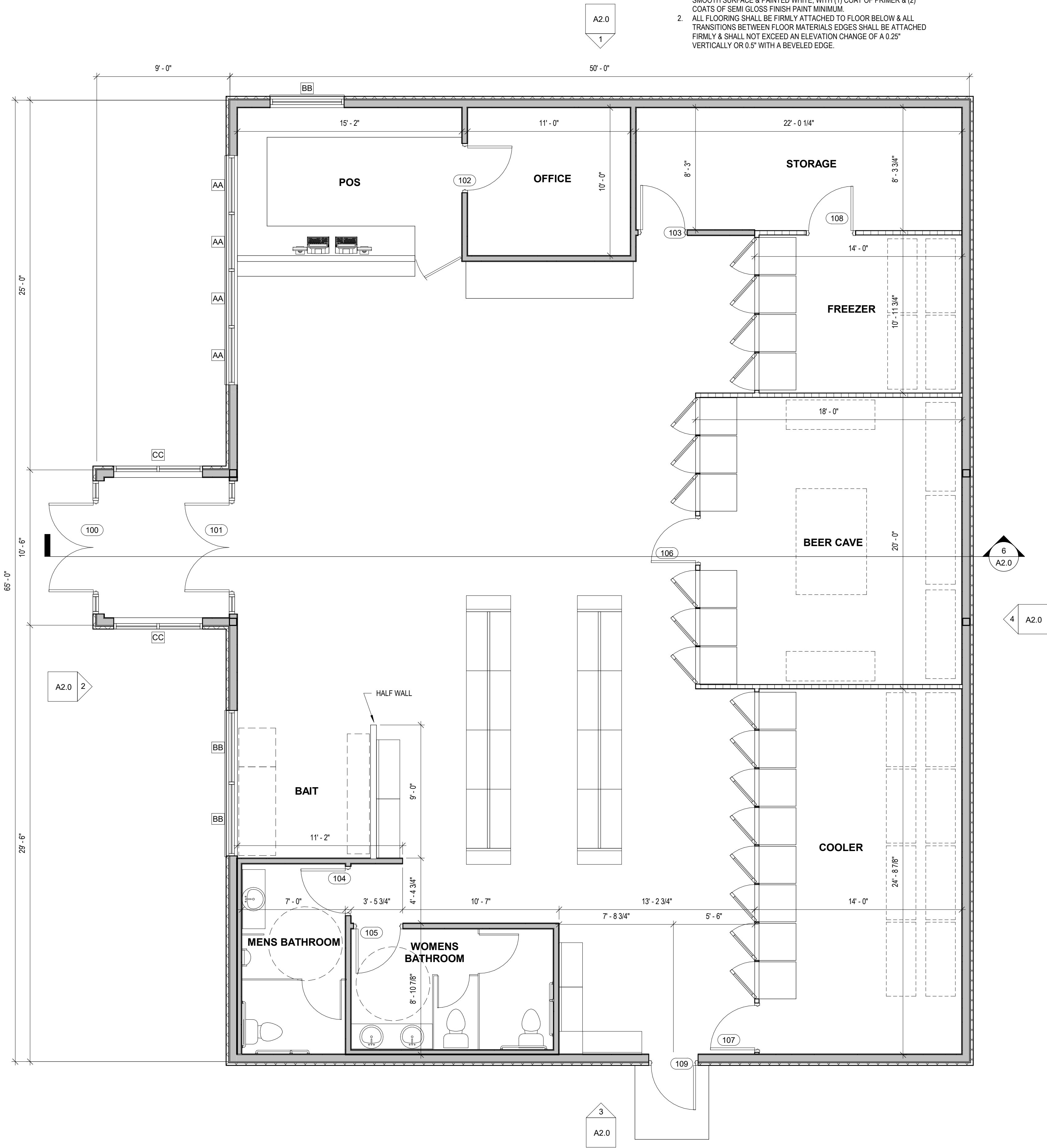
3 RCP Plan  
1/8" = 1'-0"

RESTROOM NOTES:

- IF FLOOR FINISHES ARE NOT SPECIFIED AND BEING DONE BY OTHERS THEY MUST CONFORM WITH THE FOLLOWING: IN A TOILET AND BATHING ROOMS THE FLOOR SURFACE SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 6 INCHES.
- IF WALL FINISHES ARE NOT SPECIFIED AND BEING DONE BY OTHERS THEY MUST CONFORM WITH THE FOLLOWING: ALL WALLS IN TOILET AND BATHING ROOMS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE, TO A HEIGHT OF 4'-0" THE FLOOR AND THE MATERIALS USED IN SUCH WALLS SHALL BE A TYPE THAT IS NOT ADVERSELY AFFECTED BY MOISTURE.

ROOM FINISH NOTES:

- UNLESS OTHERWISE NOTED ALL DRYWALL SURFACES TO HAVE SMOOTH SURFACE & PAINTED WHITE, WITH (1) COAT OF PRIMER & (2) COATS OF SEMI GLOSS FINISH PAINT MINIMUM.
- ALL FLOORING SHALL BE FIRMLY ATTACHED TO FLOOR BELOW & ALL TRANSITIONS BETWEEN FLOOR MATERIALS EDGES SHALL BE ATTACHED FIRMLY & SHALL NOT EXCEED AN ELEVATION CHANGE OF A 0.25" VERTICALLY OR 0.5" WITH A BEVELED EDGE.



1 FLOOR PLAN  
1/4" = 1'-0"

StrucRite

Architectural & Engineering Services

805 Clinton Street  
Waukesha, WI 53186  
262.549.3222  
www.srdinc.biz

Town & Country Mart  
Convenience Store  
2050 County Hwy MM  
Oregon WI, 53575

SHEET TITLE

FLOOR PLAN

BID SET

10.29.2018

JOB NUMBER: 18114

DATE: 09.20.2018

DRAWN BY: JJR

SHEET NUMBER:

A1.1





Town & Country Mart  
Convenience Store  
2050 County Hwy MM  
Oregon WI, 53575

SHEET TITLE  
EXTERIOR ELEVATIONS

BID SET  
10.29.2018

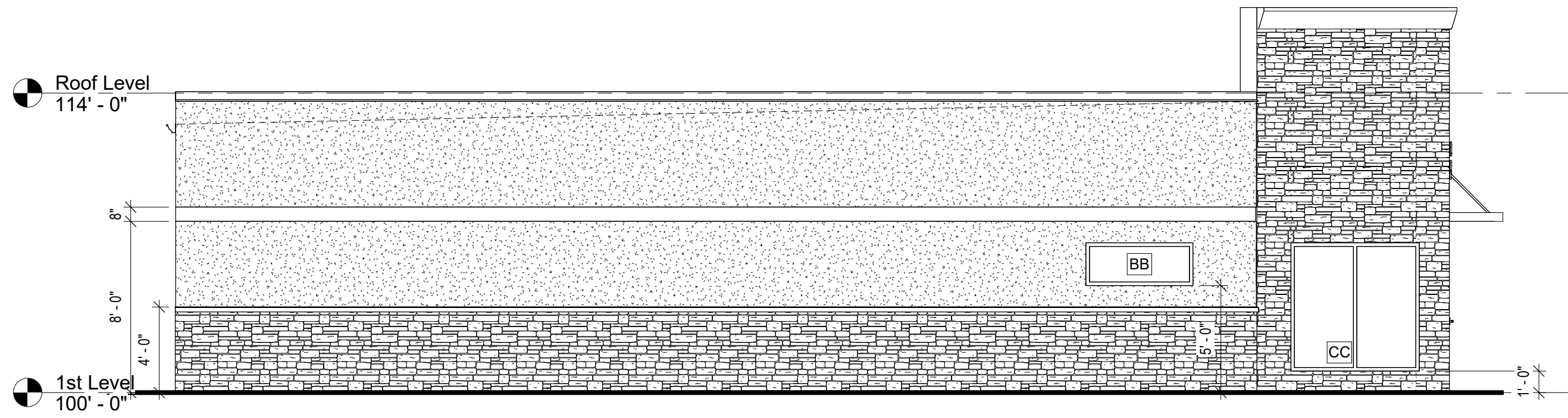
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18114

DATE:  
09.20.2018

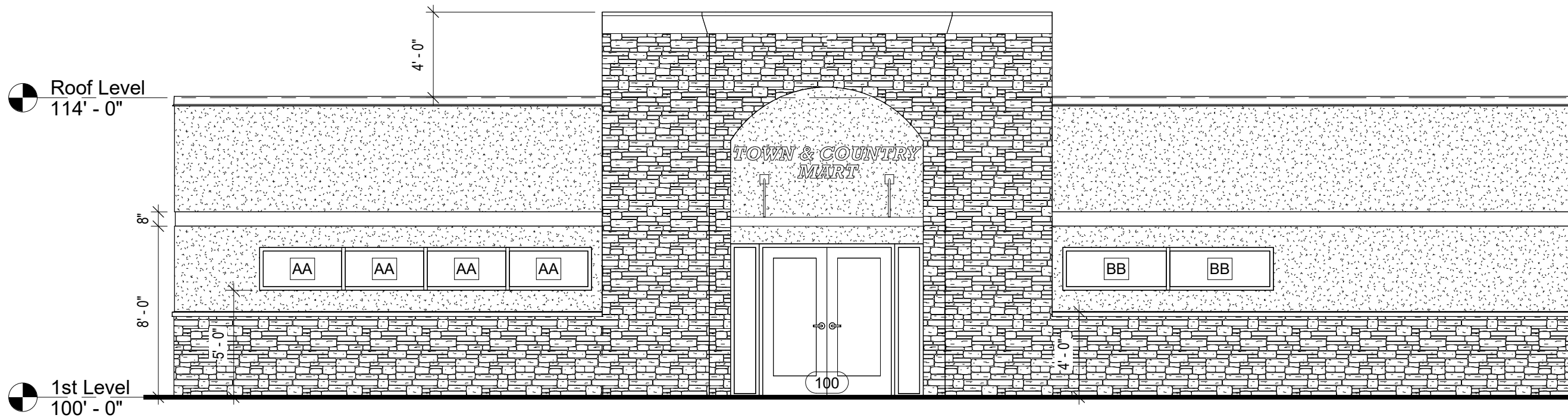
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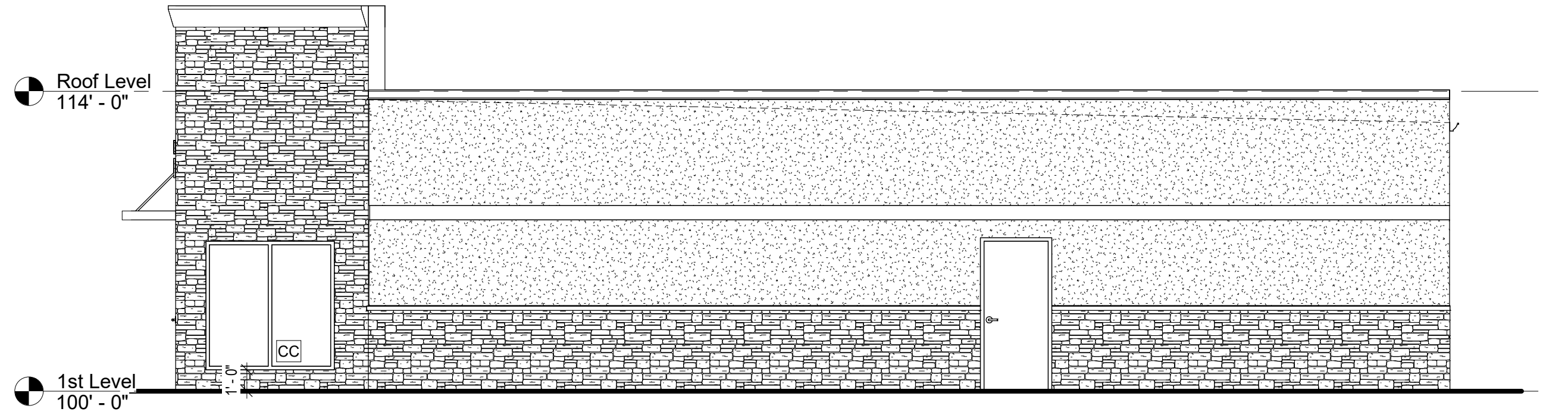
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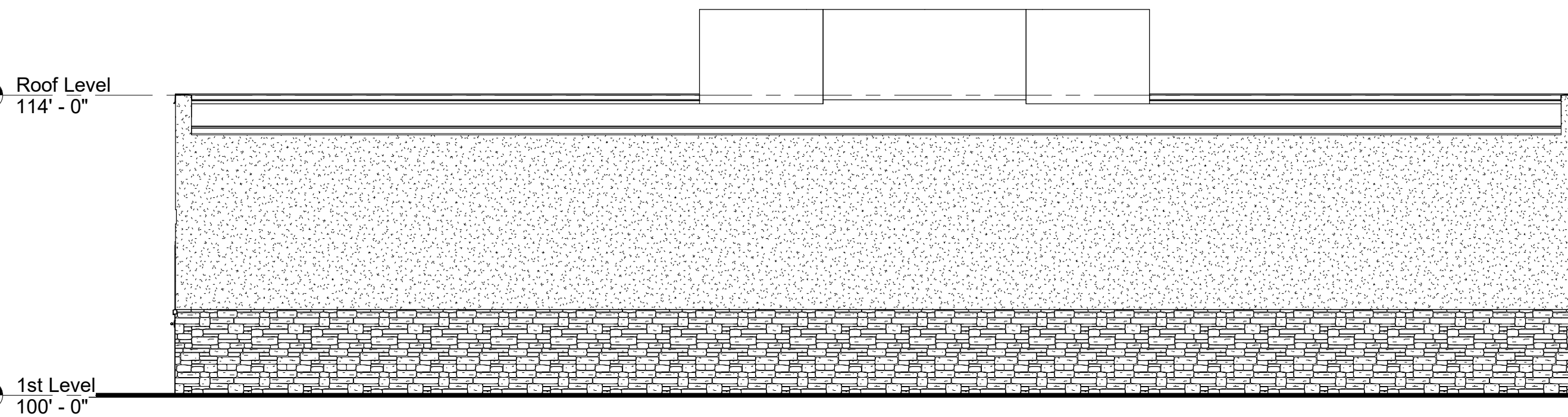
1 NORTH ELEVATION  
3/16" = 1'-0"



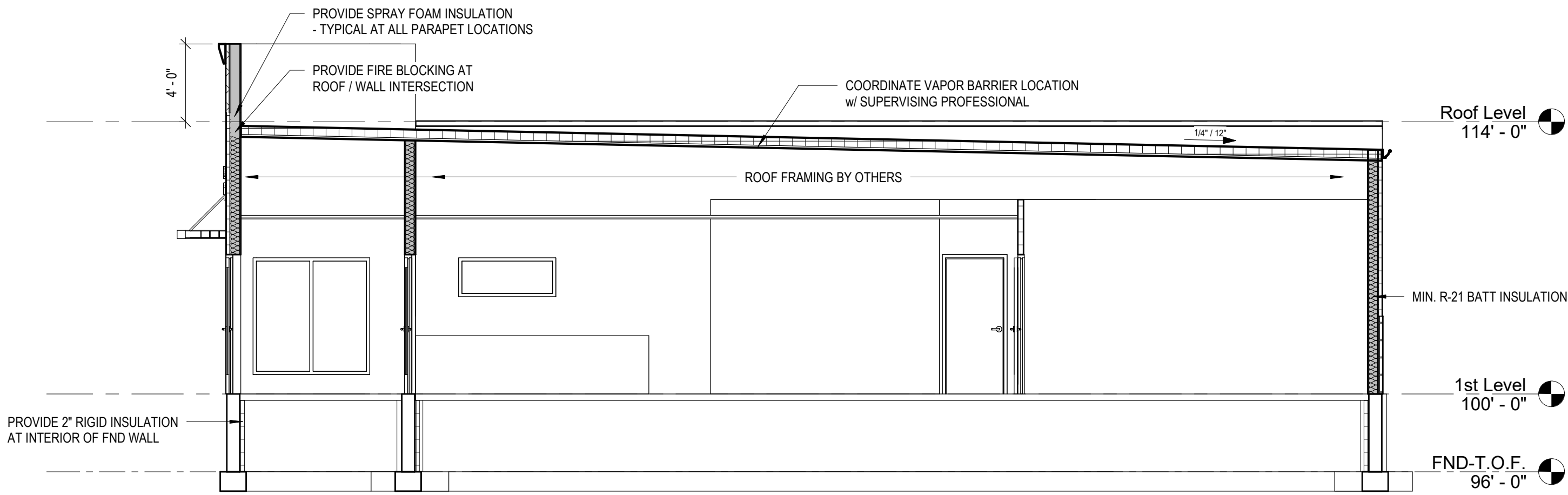
2 WEST ELEVATION  
3/16" = 1'-0"



3 SOUTH ELEVATION  
3/16" = 1'-0"



4 EAST ELEVATION  
3/16" = 1'-0"



6 BUILDING SECTION  
3/16" = 1'-0"

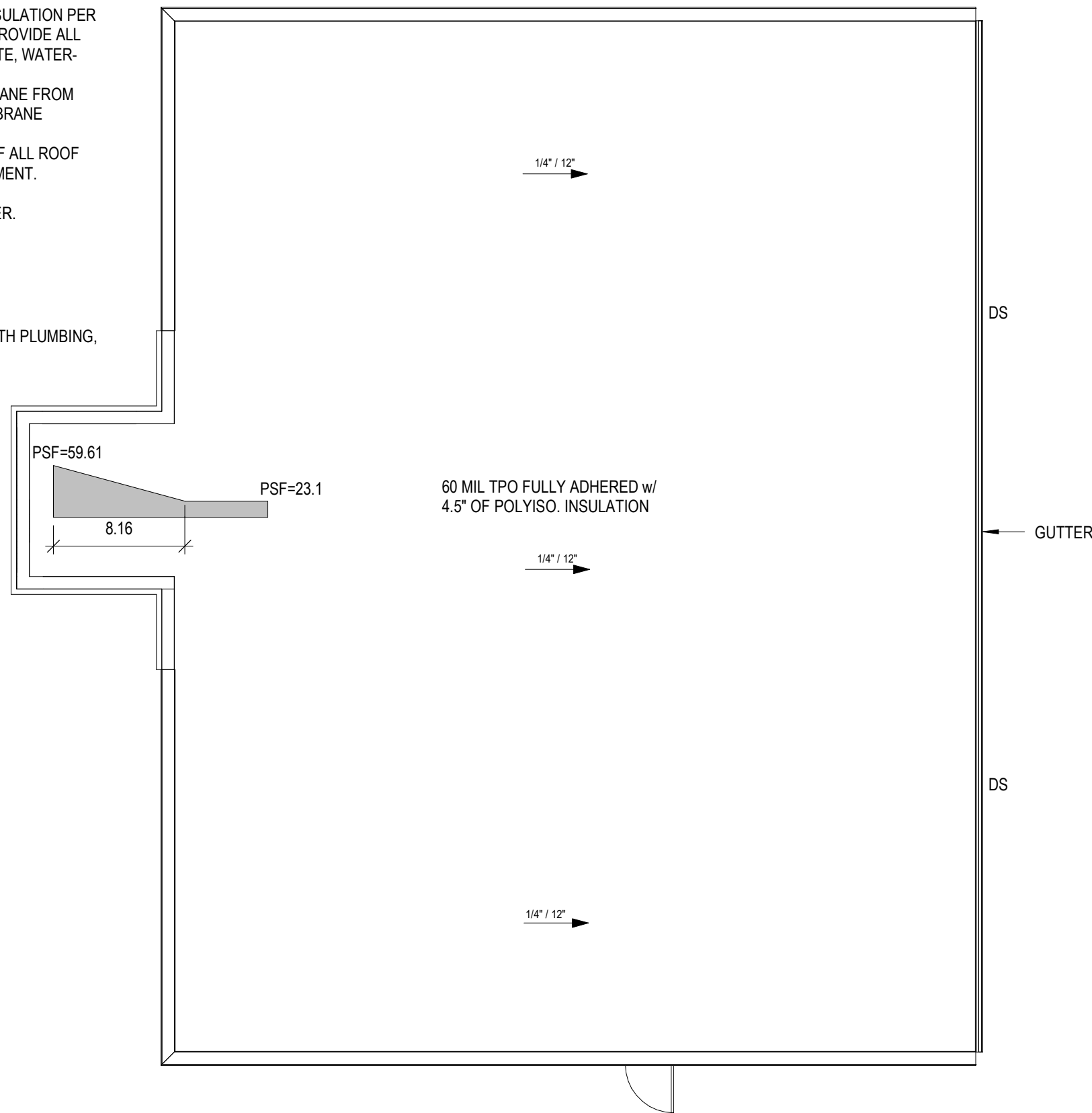
GENERAL ROOF PLAN NOTES:

- ROOFING CONTRACTOR TO INSTALL ALL ROOFING AND INSULATION PER MANUFACTURER'S DETAILS AND SPECIFICATIONS (TYP). PROVIDE ALL REQUIRED MATERIALS AND ACCESSORIES FOR A COMPLETE, WATER-TIGHT SYSTEM.
- ROOFING CONTRACTOR TO PROVIDE AND INSTALL MEMBRANE FROM FLASHING FOR ALL ROOF PENETRATIONS PER ROOF MEMBRANE MANUF. REQUIREMENTS.
- SEE MECHANICAL DRAWINGS FOR LOCATIONS AND SIZE OF ALL ROOF PENETRATIONS AND CURBS REQUIRED FOR MECH. EQUIPMENT.
- ALL TAPERED INSULATION TO BE E.P.S. @ 1/4" FT SLOPE.
- TAPERED FIBER EDGE STRIP TYPICAL @ ENTIRE PERIMETER.

1:12 = INDICATES DIRECTION OF ROOF SLOPE

DS = DOWNSPOUT LOCATION

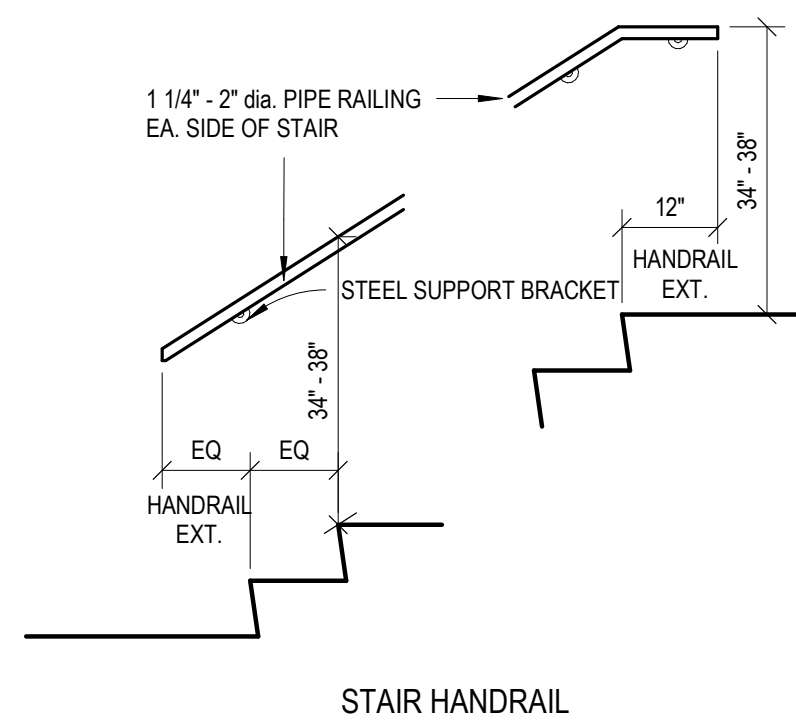
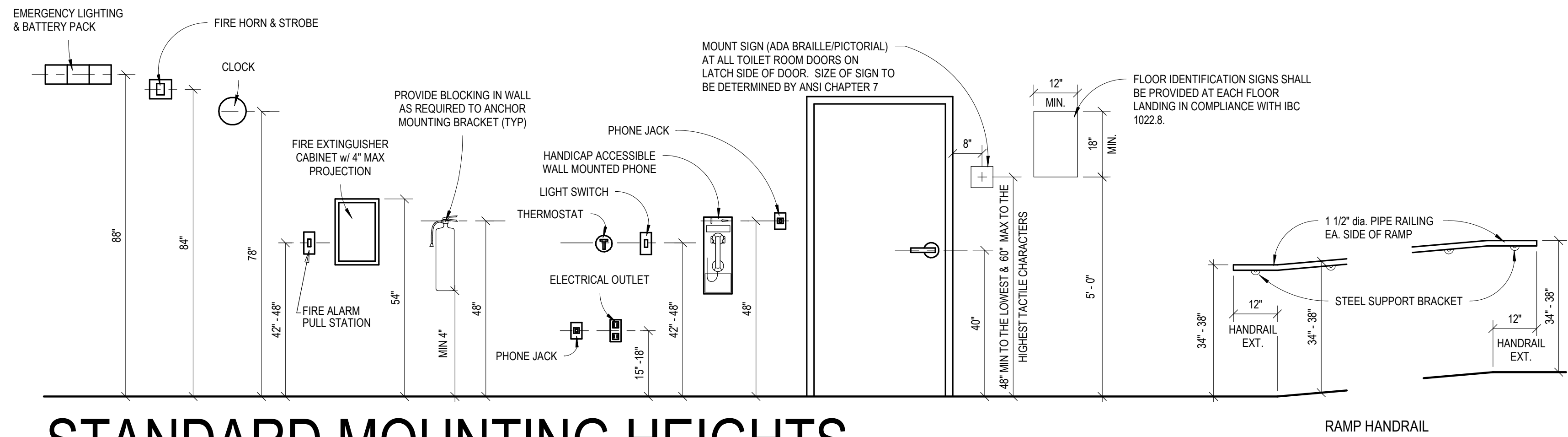
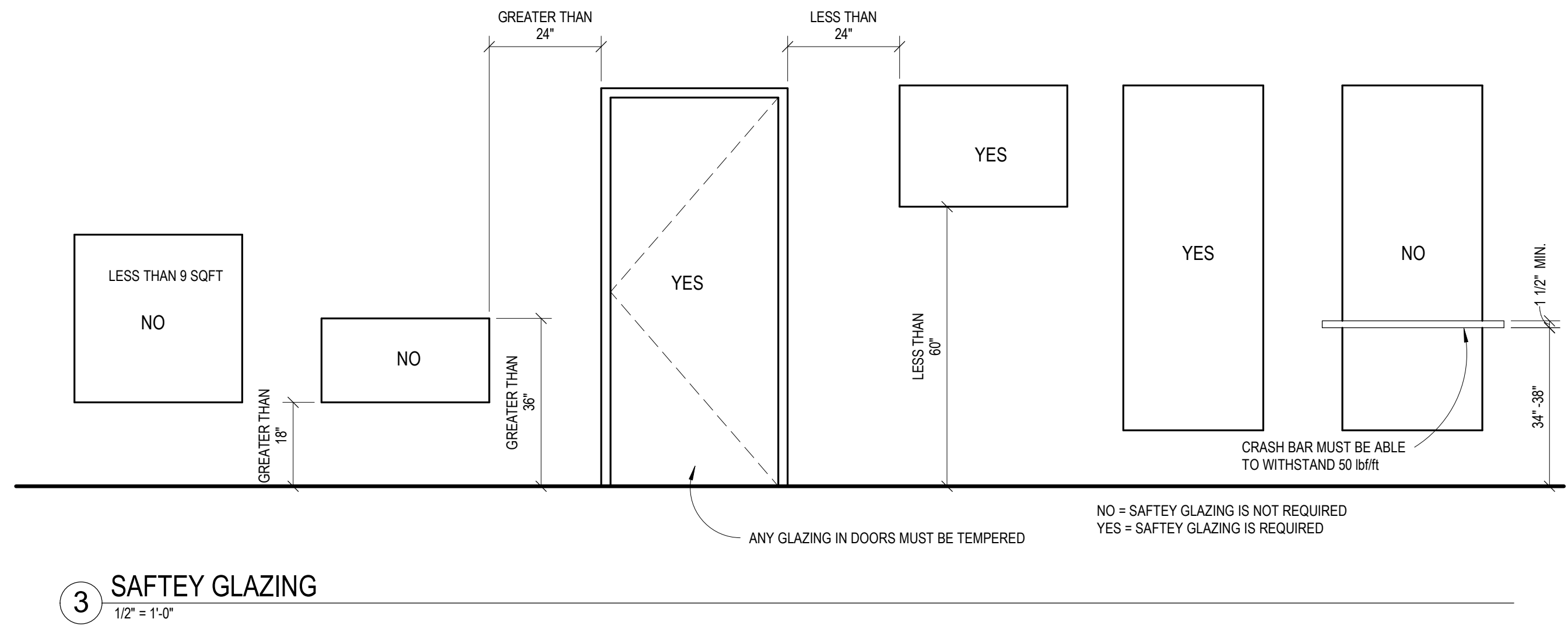
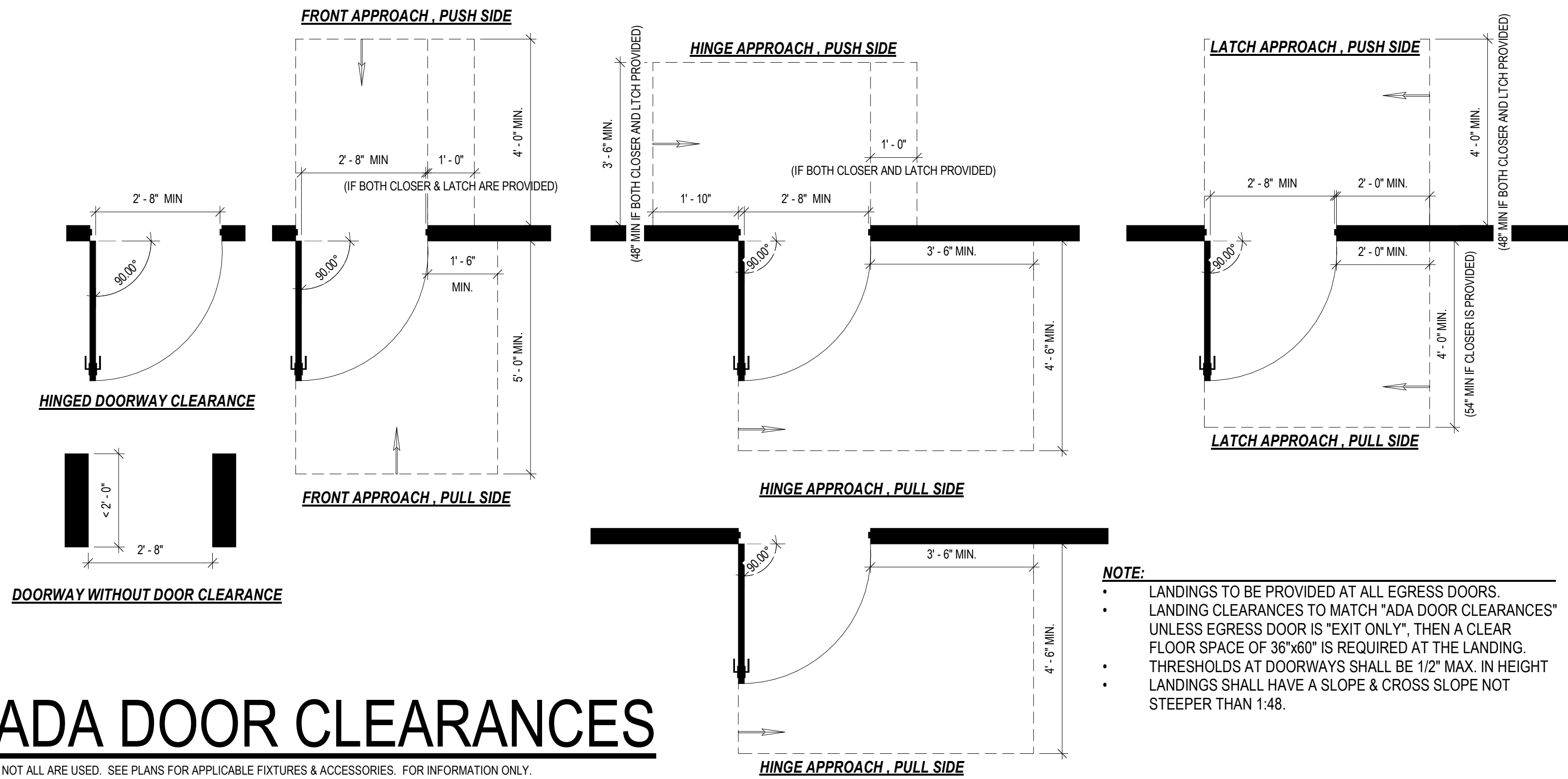
- COORDINATE ALL ROOF OPENINGS AND PENETRATIONS WITH PLUMBING, MECHANICAL, AND ELECTRICAL CONTRACTORS.



5 ROOF PLAN  
1/8" = 1'-0"



**Town & Country Mart  
Convenience Store  
2050 County Hwy MM  
Oregon WI, 53575**



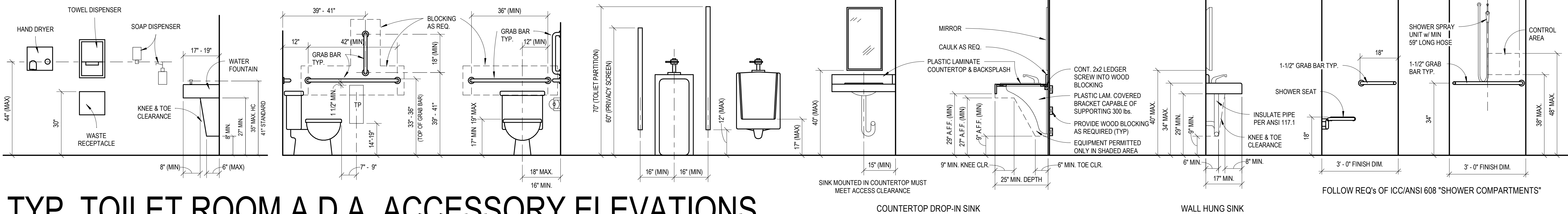
1. 6-1/2" MAXIMUM SINK DEPTH.
2. INSULATE PIPES BELOW COUNTERTOPS (WATER AND WASTE LINES w/ PVC MOLDED PROTECTION).
3. FLUSH VALVE FOR URINAL MUST NOT EXCEED 44" IN HEIGHT.
4. PROVIDE LEVER FAUCETS HANDLES AT ALL SINKS AND LAVATORIES.
5. ALL DIMENSIONS SHOWN ARE FROM WALL FINISH.

1. CONTROLS MUST BE MOUNTED IN FRONT OR SIDE MOUNTED NEAR FRONT EDGE
2. PROVIDE 30" x 48" CLEAR FLOOR SPACE

## **STAIRWAY WALK SURFACE:**

1. THE WALKING SURFACE OF TREADS AND LANDINGS OF A STAIRWAY SHALL NOT BE SLOPED STEEPER THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2% SLOPE) IN ANY DIRECTION.
2. OPENINGS IN STAIR WALKING SURFACES SHALL BE A SIZE THAT DOES NOT PERMIT THE PASSAGE OF 12" DIAMETER SPHERE. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. IN OCCUPANCY GROUP F, H AND S, OTHER THAN AREAS OF PARKING STRUCTURES ACCESSIBLE TO THE PUBLIC, OPENINGS IN TREADS AND LANDINGS SHALL NOT BE PROTECTED PROVIDED A SPHERE WITH A DIAMETER OF 1 1/8" CANNOT PASS THROUGH THE OPENING

## STANDARD MOUNTING HEIGHTS



## TYP. TOILET ROOM A.D.A. ACCESSORY ELEVATIONS



GENERAL FOUNDATION NOTES:

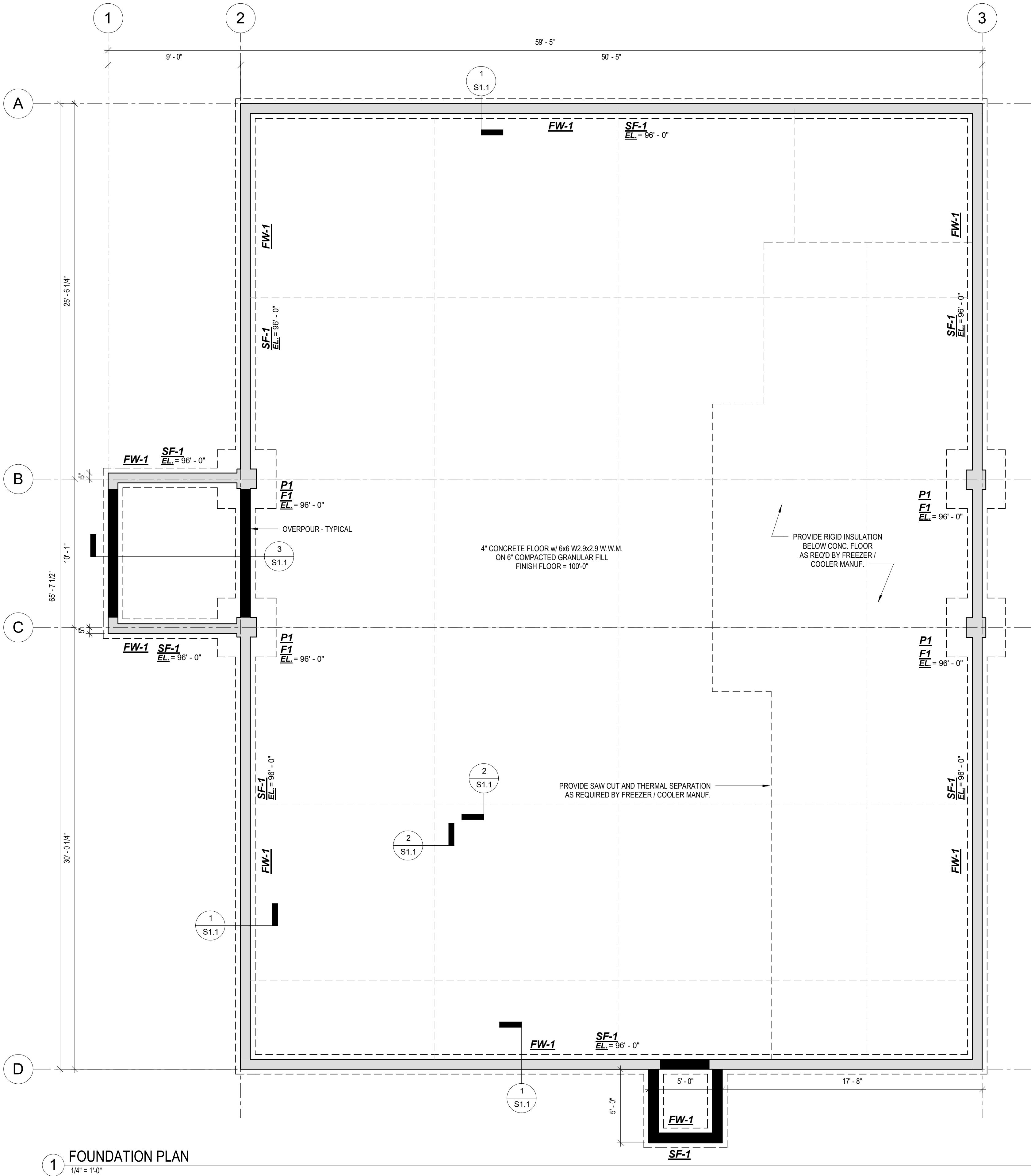
- FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL & STANDING WATER & SHALL BE CHECKED & APPROVED BY THE GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF ANY CONCRETE.
- ELEVATION 100'-0" ON STRUCTURAL DRAWINGS CORRESPONDS TO F.F. ELEVATION SHOWN ON SITE PLAN.
- TOP OF FOUNDATION WALL ELEVATION + 100'-0", UNLESS NOTED OTHERWISE.
- FOUNDATION WALLS SHALL BE 8" THICK UNLESS NOTED OTHERWISE.
- WALL FOOTINGS ARE CONTINUOUS POURED CONCRETE WITH CONTINUOUS REINF. PLACED 3" CLEAR OF BOTTOM & SIDES
- PERIMETER INSULATION TO BE 2" RIGID INSULATION AGAINST INTERIOR FACE OF WALL. U.N.O. SEE FOUNDATION DETAILS.
- CONTRACTOR TO VERIFY ALL CONCRETE FLOOR FINISHES w/ OWNER.
- CONTRACTOR TO VERIFY ALL UNDERGROUND WORK PRIOR TO SLAB POURING.
- SEE SITE PLAN FOR ADDITIONAL CONCRETE WORK.
- SEE GEN. BLDG. SPEC's. FOR CONCRETE REQUIREMENTS.
- PROVIDE ISOLATION JOINTS TO ISOLATE COLUMNS, BOLLARDS, & OTHER FLOOR PENETRATIONS.
- SEE DETAILS FOR CONTROL JOINT AT POURED CONCRETE WALLS.
- BOX-OUT FLOOR, PRIOR TO POURING, AT ALL COLUMN LOCATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ANY REQUIRED FLOOR DRAINS / SLAB PITCHES.
- ALL FOOTINGS ARE CENTERED ON COLUMN GRIDS, UNLESS DIMENSIONED OTHERWISE.

FOUNDATION WALL SCHEDULE		
MARK	WIDTH	REINFORCEMENT
FW-1	8"	SEE TYPICAL FND WALL DETAIL

STRIP FOOTING SCHEDULE			
MARK	WIDTH	DEPTH	REINFORCEMENT
SF-1	1' - 4"	1' - 0"	SEE TYPICAL FND WALL DETAIL

FOOTING SCHEDULE				
MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT
F1	4' - 0"	4' - 0"	1' - 0"	(4) #5 BARS EA. WAY, BOTTOM

PIER SCHEDULE			
MARK	WIDTH	LENGTH	REINFORCEMENT
P1	1' - 4"	1' - 4"	(4) #6 BARS VERT. & #3 TIES @ 12" O.C.



FOUNDATION:

- THE SOIL BEARING CAPACITY IS PRESUMED TO BE 2000 PSF. SOIL ENGINEERS TO VERIFY BEARING CAPACITY AND EXPLORE SUBGRADE TO A DEPTH OF 45' FOR UNSTABLE SOIL CONDITIONS.
- COMPLETE NORMAL CLEARING AND GRUBBING OPERATIONS OVER THE ENTIRE BUILDING PAD AREA.
- REMOVE UNSUITABLE MATERIAL BELOW FOUNDATION. THE DEPTH OF REMOVAL IS DICTATED BY THE UNSUITABLE SOILS ENCOUNTERED SUCH AS SILT, ORGANIC MATTER, ROOTS, VEGETATION AND RANDOM FILL MATERIALS, i.e. WOOD, SCRAP METAL, AND MUCK.
- FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL WITH A CAPACITY OF 2000 PSF, OR ON COMPACTED FILL WITH A BEARING CAPACITY OF NOT LESS THAN 2000 PSF.
- FILL MATERIALS REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 9" AND COMPACTED TO 95% RELATIVE COMPACTION AT OPTIMUM MOISTURE CONTENT WITHIN A DISTANCE OF 5 FEET BEYOND THE BUILDING EDGES.
- WHEN USING COMPACTED FILL TO ACHIEVE THE PROPER GRADE FOR FOUNDATIONS, THE COMPACTED FILL SHALL HAVE A SLOPE OF NOT GREATER THAN 2' HORIZONTAL FOR EVERY 1' VERTICAL.
- PLACE GRANULAR MATERIAL UNDER FOOTINGS & FLOOR SLABS: MINIMUM 6"
- BASEMENT WALLS AND RETAINING WALL DESIGNS ARE PREDICATED ON ALL FINAL RESTRAINTS AS SHOWN IN PLANS COMPLETED BEFORE BACKFILLING OPERATIONS ARE FINALIZED.
- DIFFERENTIAL BACKFILLING BETWEEN INTERIOR AND EXTERIOR OF WALL WHERE OCCURS, SHALL NOT EXCEED 2 FEET.
- MECHANICAL CONTRACTORS ARE RESPONSIBLE TO COORDINATE PLUMBING AND ELECTRICAL SLAB OPENINGS, CONDUIT AND PIPE RUNS, BLOCKOUTS, AND ALL OTHER SLAB ADJUSTMENTS WITH THE CONCRETE CONTRACTOR.
- GENERAL CONTRACTOR SHALL REVIEW ALL CHANGES TO FOUNDATION PLANS AND DETAILS WITH THE STRUCTURAL ENGINEER.

StrucRite

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Waukesha, WI 53186

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Oregon, WI 53575

SHEET TITLE

FOUNDATION PLAN

BID SET

10.29.2018

JOB NUMBER:

18114

DATE:

10.26.2018

DRAWN BY:

JJR

SHEET NUMBER:

S1.0



Town & Country Mart  
Convenience Store  
2050 County Hwy MM  
Oregon, WI 53575

SHEET TITLE

FOUNDATION DETAILS

BID SET

10.29.2018

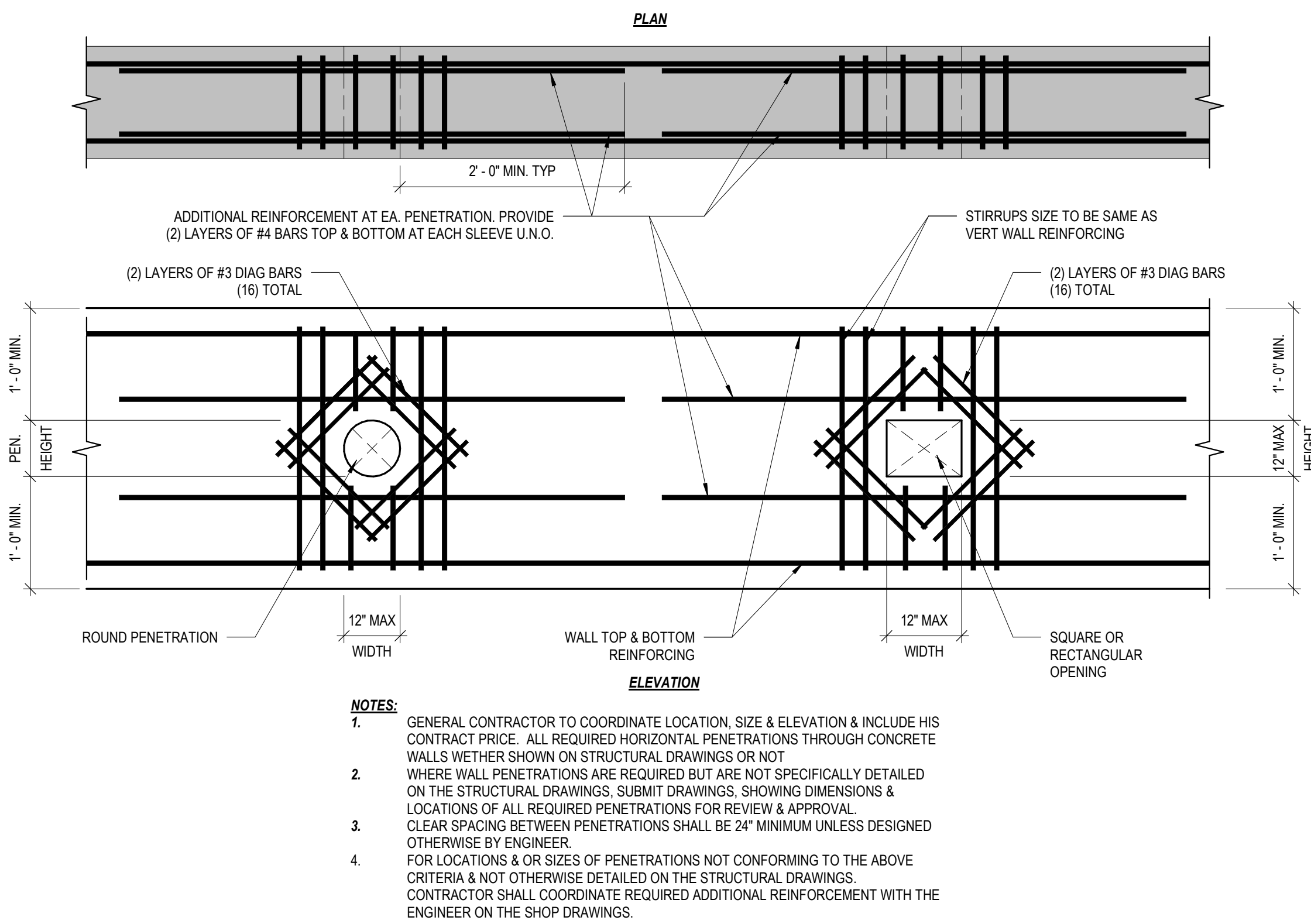
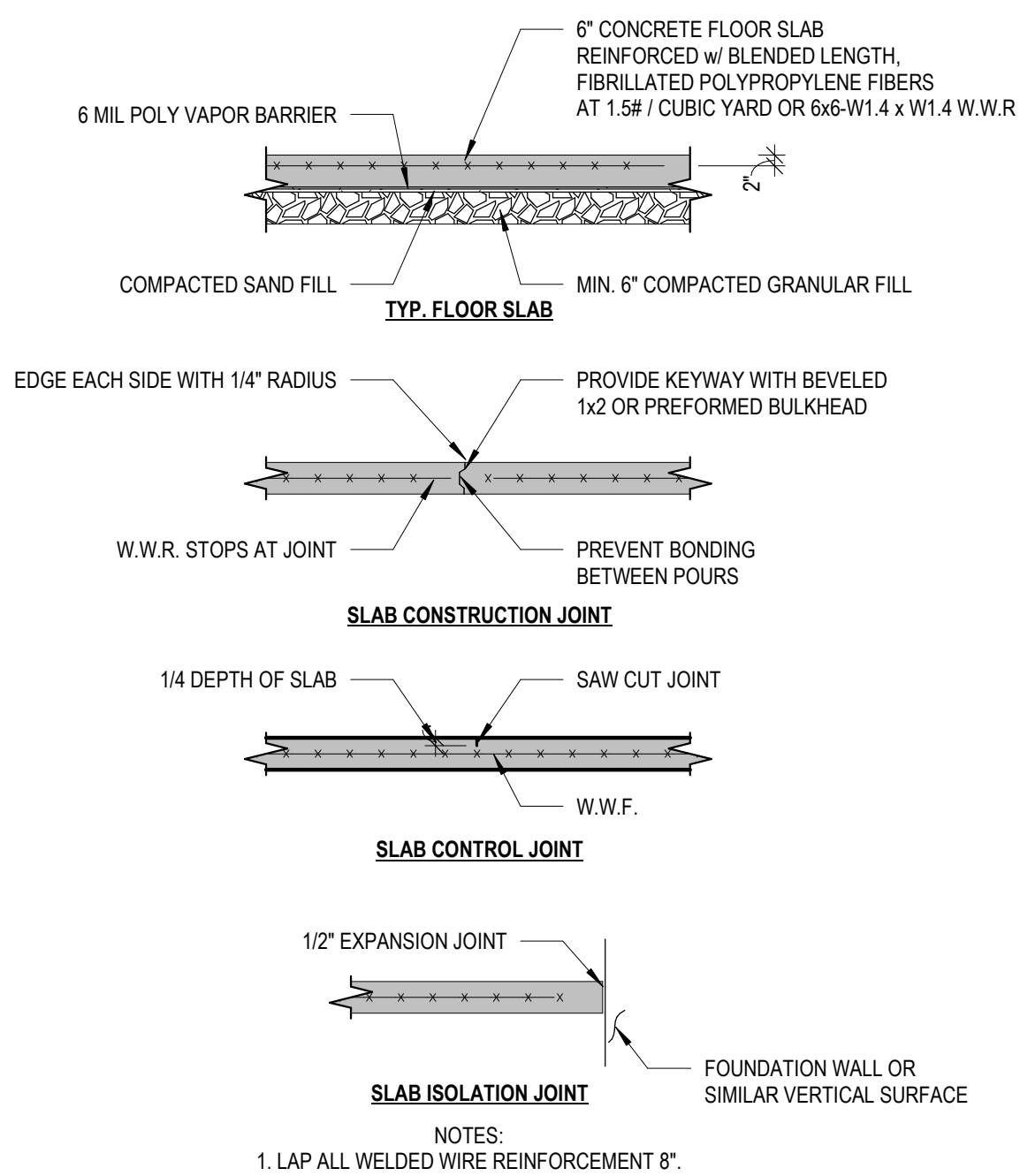
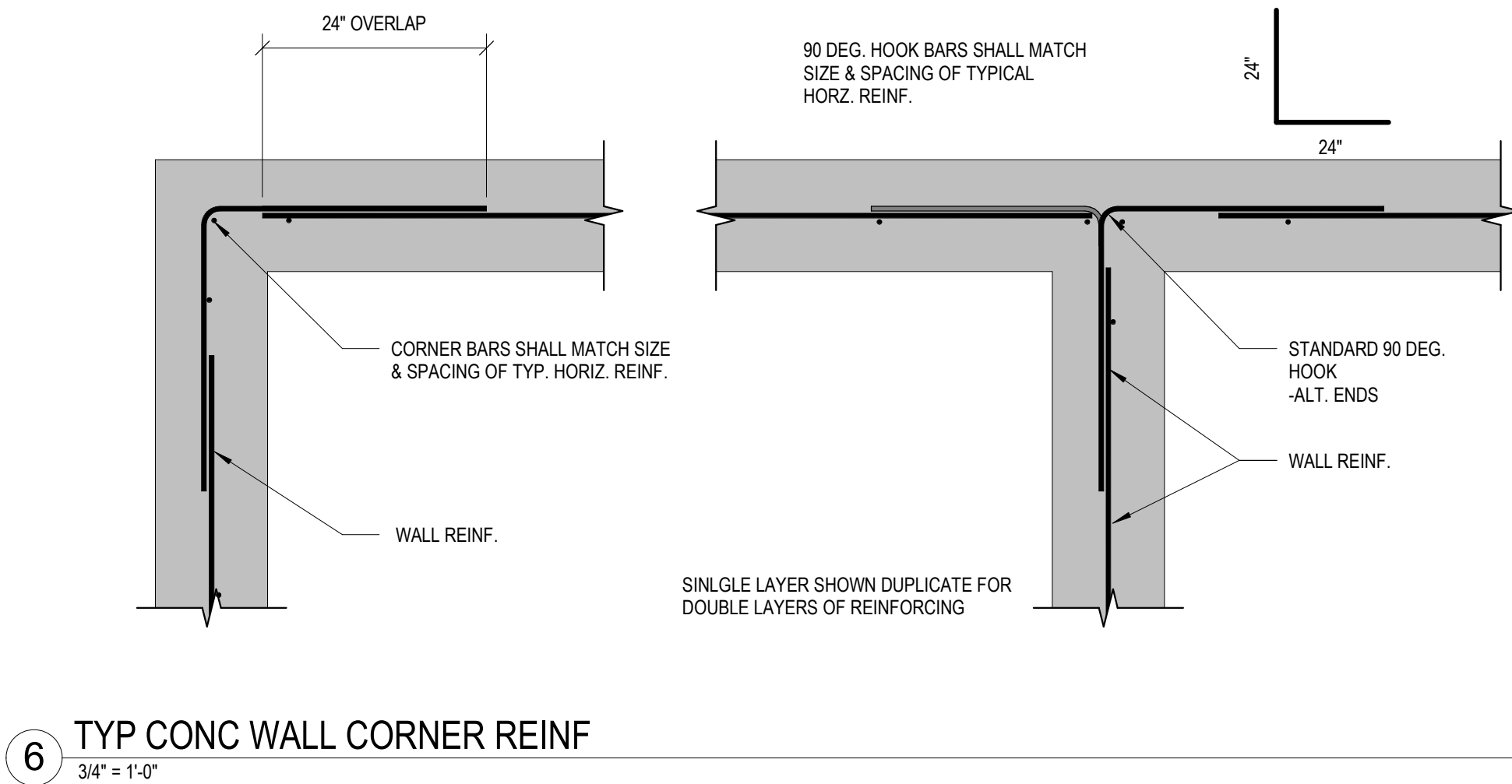
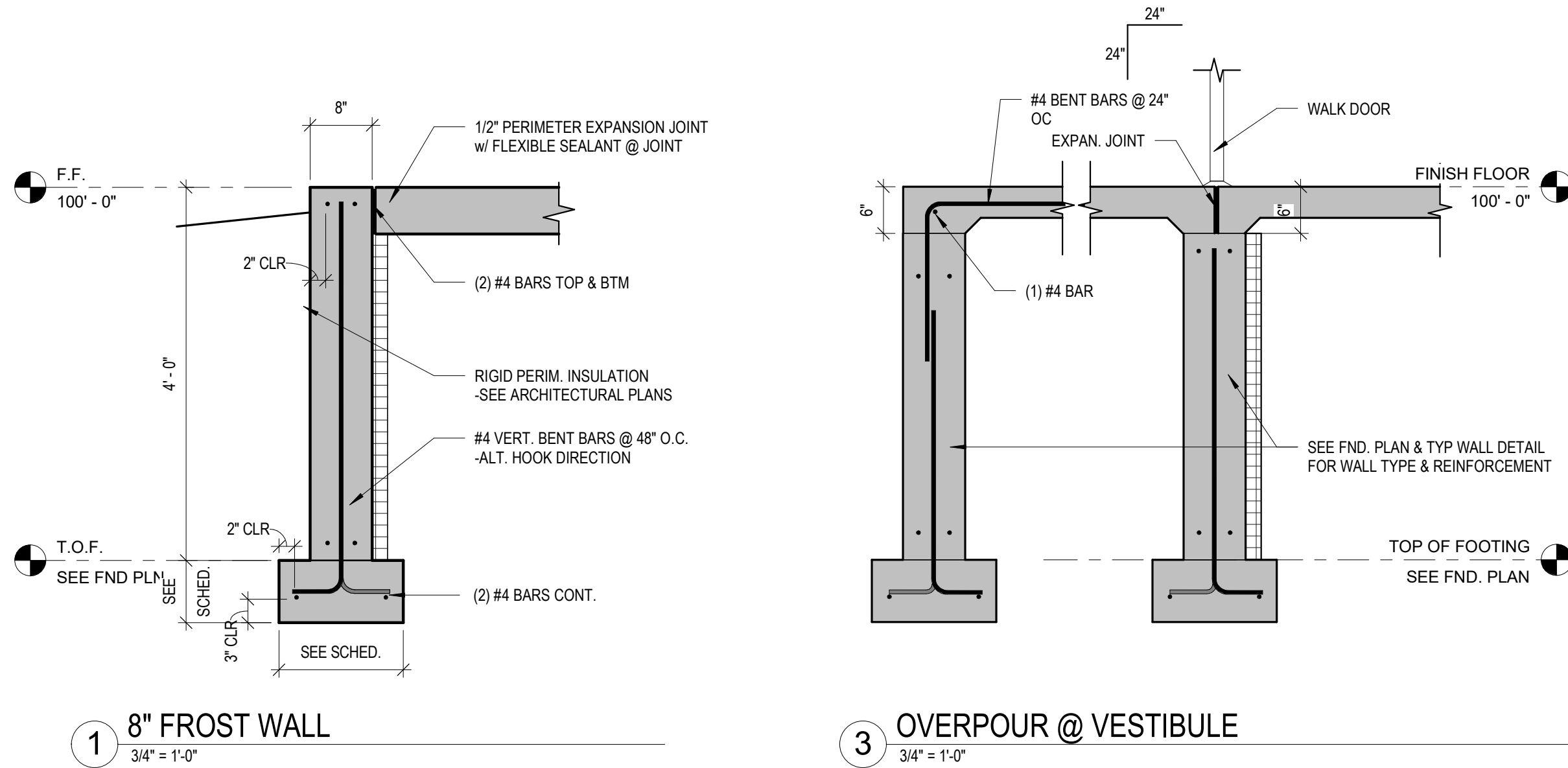
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DATE: 10.26.2018

DRAWN BY: JJR

SHEET NUMBER:

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STRUCTURAL STEEL

- A. PRIME PAINT RED.
- B. ALL STRUCTURAL STEEL SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASTM AND SHALL BE FABRICATED AND ERECTED ACCORDING TO AISC SPECIFICATIONS.
- C. ALL SHOP AND FIELD BOLTED CONNECTIONS SHALL USE A325 BOLTS AND NUTS, UNLESS OTHERWISE NOTED. INSTALL BOLTS AND NUTS PER AISC.
- D. STEEL FABRICATOR & SUPPLIER SHALL DESIGN CONNECTION FOR THE LOADS INDICATED ON THE DRAWINGS. CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED.
- E. STEEL FABRICATOR & SUPPLIER SHALL SUBMIT FOUR BOUND SETS OF ERECTION/SHOP DRAWINGS FOR DESIGN CONCEPT APPROVAL.
- F. WELDING SHALL CONFORM TO THE LATEST EDITION OF AWS D1.1 AND ALL WELDERS ARE TO BE CERTIFIED.
- G. ANY FIELD MODIFICATIONS TO STEEL WILL REQUIRE APPROVAL BY THE ENGINEER OF RECORD.
- H. BASIC BOLTED CONNECTIONS ARE DESIGNED AS TYPE "BEARING N" UNLESS NOTED OTHERWISE.
- I. ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISI "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL BUILDINGS" ALLOWABLE STRESS DESIGN, NINTH EDITION.
- J. ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE".
- K. MATERIAL SPECIFICATIONS:
- |  |  |
|--|--|
| PLATE 1"-12" WIDE AND THROUGH 1.5" THICK | A572 GRADE 50, MODIFIED TO 55 KSI                      |
| OTHERS                                   | A-36   |
| BUILT-UP STRUCTURAL WEB MATERIAL         | A-607 GRADE 55 OR A507 GRADE 50 w/MIN. YIELD OF 55 KSI |
| HOT-ROLLED STRUCTURAL                    | A572 GRADE 50  |
| STRUCTURAL TUBE                          | A500 GRADE B (46 KSI)                                  |
| STRUCTURAL PIPE                          | A500 GRADE B (42 KSI)                                  |
| ROD BRACING                              | A-36   |
| CABLE BRACING                            | EH19 A475  |
| WELDS                                    | AWS D1.1 E70XX   |
| HIGH-STRENGTH BOLTS                      | A-325 OR A-490   |
| MACHINE BOLTS                            | A-307 GRADE A OR SAE J429 GRADE 2                      |

- L. THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MBMA STANDARDS PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS OR BAR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.
- M. ALL HIGH STRENGTH BOLTS ARE TYPE A325 AND ARE TO BE FULLY TIGHTENED BY AN ACCEPTABLE METHOD, SUCH AS "TURN OF THE NUT" METHOD. UNLESS NOTED OTHERWISE, BOLTS IN STANDARD HOLES DO NOT REQUIRE THE USE OF WASHERS, PER ASTM A325, SECTION 5(B).
- N. ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.
- O. WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS.
- AT HOLE TO SLOT CONNECTION, ONE WASHER IS REQUIRED ON THE SLOTTED SIDE.
  - AT SLOT TO SLOT CONNECTIONS, TWO WASHERS ARE REQUIRED, ONE ON EACH SIDE OF THE CONNECTION.
- P. STRUC RITE DESIGN, INC. SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY STRUC RITE DESIGN, INC. BEFORE WORK IS UNDERTAKEN.
- Q. ALL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI TENSILE AND LOW HYDROGEN CONTENT.

WOOD FRAMING:

- A. WALL & ROOF TRUSSES TO BE ATTACHED TO TOP PLATES OF BEARING WALLS WITH AN H1 SIMPSON CLIP OR AS RECOMMENDED BY THE TRUSS SUPPLIER.
- B. ROOF DECK TO BE APA RATED STRUCTURAL I SHEATHING EXP 1 WITH A MINIMUM THICKNESS OF 5/8" OSB PANEL GRADE RATED EXTERIOR EXPOSURE. USE 8D RING SHANK NAILS SPACED 6" AT EDGES AND 12" IN FIELD UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SCHEDULES. USE BLOCKING AT ALL DIAGONAL EDGES WITH PANEL CLIPS AT UNSUPPORTED EDGES. USE CONTROLLED RANDOM LAYUP SHEETS LENGTHWISE ACROSS TRUSSES. USE T&G OR PANEL CLIPS AT UNSUPPORTED EDGES IF REQUIRED FOR ROOF WARRANTIES.
- C. ALL SHEARWALL PANELS TO BE STRUCTURAL I PANEL OR GYPSUM BOARD.
- D. DESIGN ROOF TRUSSES FOR GROSS UPLIFT AS REQUIRED BY WIND LOADS.
- E. EXTERIOR WALL STUDS TO BE A MINIMUM OF 2x6 SPF #1/#2 AT 16" OC FOR INTERIOR LOAD BEARING WALLS 2x6 STUDS AT 16" oc, UNLESS NOTED DIFFERENTLY ON THE DRAWINGS.
- F. JAMBS ARE DOUBLE STUDS. USE (2) SHOULDER BEARING STUD AND (2) FULL HEIGHT UNLESS NOTED DIFFERENTLY ON THE DRAWINGS OR SCHEDULES.
- G. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL BE IN ACCORDANCE WITH TABLE 2304.901 FASTENING SCHEDULE OF THE IBC BUILDING CODE 2000 UNLESS NOTED OTHERWISE.
- H. ANCHOR SOLE PLATES TO CONCRETE AT ENDS OF MEMBERS AND 48" O.C. USE ½" SLEEVE ANCHORS WITH 7" EMBEDMENT INTO CONCRETE OR MASONRY UNLESS NOTED OTHERWISE.
- I. WALL PLATES AND HOLD DOWNS REQUIRE WET SET ANCHORS IN CONCRETE OR MASONRY. EPOXY ALTERNATE ANCHORS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.
- J. FLOOR DECKING TO BE APA RATED STURD-I-FLOOR EXP 1AND BE A MINIMUM 3/4" T&G WITH 48/24 RATING. USE 8D RING SHANK NAILS SPACED 6" AT EDGES AND 12" IN FIELD UNLESS NOTED OTHERWISE IN THE DRAWINGS.
- K. WOOD HARDWARE NOMENCLATURE IN PLANS IS "SIMPSON". ALTERNATE MANUFACTURER SUBSTITUTIONS SHALL BE REVIEWED AND APPROVED EQUAL.

EROSION CONTROL NOTES

- A. GRADING AND DEVELOPMENT SITE DISTURBANCE SHALL CONFORM TO PLANS AND SPECIFICATIONS. TEMPORARY EROSION CONTROL METHODS AND SCHEDULE FOR IMPLEMENTATION SHALL BE REVIEWED BY THE ENGINEER PRIOR TO COMMENCING WORK.
- B. TEMPORARY EROSION CONTROL MEASURES SHALL CONFORM TO PRACTICES AND RECOMMENDATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES AND BEST MANAGEMENT PRACTICES.
- C. EXPOSED SOIL FROM GRADING OPERATIONS SHALL BE RESEEDED WITHIN 7 DAYS. USE COMMON 65% KENTUCKY BLUEGRASS 20% FINE FESCUES 15% RYEGRASS SEED MIXTURE AT THE RATE 7 POUNDS PER 1000 SQUARE FEET AREA WITH STRAW OR BURLAP COVERING TO RETAIN SURFACE MOISTURE UNTIL NEW GRASS IS ESTABLISHED.
- D. PROPOSED ALTERNATE EROSION CONTROL MEASURES FROM THOSE DESCRIBED IN THE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER.
- E. SOIL OR MUD TRACKED ONTO PUBLIC STREETS SHALL BE CLEANED AT THE END OF EACH WORK DAY.
- F. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AT LEAST 7 DAYS PRIOR TO ANY GRADING OR EXCAVATION TO LOCATE AND FLAG ALL EXISTING UNDERGROUND UTILITIES.
- G. UTILITIES IMPACTING THE CONSTRUCTION PLANS SHALL REQUIRE ADDITIONAL DESIGN WORK. REVIEW IMPACTS WITH THE ENGINEER.
- H. LOCATION OF ALL KNOWN UTILITIES SHALL BE RECORDED IN AS-BUILT PLANS AT COMPLETION OF WORK.
- I. GEOTEXTILE FABRIC USE MIRAFI FILTERWEAVE OR EQUIVALENT TO LINE TRENCHES. FABRIC SHALL BE CONTINUOUS. OVERLAP 12" MINIMUM FOR CONTINUITY. ADD A SEPARATE GEOTECH FABRIC COVER OVER THE TRENCH OVERLAPPING THE SIDE OF THE TRENCH 12". COVER FABRIC WITH 1-1/2" GRAVEL 3" - 6" DEEP.
- J. CHECKDAMS WHERE SHOWN IN PLAN SHALL BE CONSTRUCTED OF 2 LAYERS 90 MIL PLASTIC SHEET. WRAP THE SIDES AND BOTTOM OF THE TRENCH 12". SEE DETAIL.

GENERAL REQUIREMENTS

- A. NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- B. ALL MATERIALS AND WORK PERFORMED SHALL CONFORM TO THE REQUIREMENTS OF THE WISCONSIN ADMINISTRATIVE CODE INCLUDING LOCAL ORDINANCES AND AMENDMENTS.
- C. NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ARCHITECT AND ENGINEER.
- DESIGN CRITERIA
- A. IBC 2015
- B. ASCE 7-10
- DESIGN METHOD
- A. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS-2015)
- B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318-2014);
- C. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 13TH EDITION);
- D. SPECIFICATION FOR DESIGN OF COLD FORMED STRUCTURAL MEMBERS (AISI 2012);
- E. BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES (TNS 402-13/ACI 530-13)

DESIGN LOADS

ROOF	30.0 PSF	GROUND SNOWLOAD
	23.1 PSF	ROOF SNOWW/Ct=1.1
		SEE DRAWINGS FOR SNOW DRIFTS AND UNBALANCED LOADING
	3 PSF	DEAD LOAD + FRAMES
	5 PSF	COLLATERAL LOAD
WIND	115 MPH	EXP C PER ASCE 7-10
		PARTIALLY ENCLOSED BUILDINGS
SEISMIC	D	SITE CLASS
	II	SEISMIC GROUP
	SDS	9.40 %
	SD1	7.60%
	B	SEISMIC USE GROUP

PREMANUFACTURED WOOD TRUSSES:

- A. MANUFACTURER SHALL PROVIDE CAMBER EQUIVALENT TO DEAD LOAD PLUS 50% LIVE LOAD DEFLECTION TO THE BOTTOM LEVEL CEILING SURFACE OF ALL TRUSSES.
- B. USE PROPER BRACING OF TRUSSES DURING ERECTION PER THE SHOP DRAWINGS SUPPLIED BY THE TRUSS SUPPLIER FOR ROOF AND FLOORS.
- C. TRUSS SUPPLIER TO DESIGN ALL NECESSARY BRACING.
- D. TRUSS SUPPLIER TO FURNISH DESIGN CALCULATIONS AND DRAWINGS WITH AN ENGINEERS STAMP, REGISTERED IN THE STATE OF WISCONSIN, FOR A COMPONENT SUBMITTAL; SHOW THE TRUSS PROFILE, GEOMETRY, MEMBERS, REINFORCING, MATERIAL SPECS, LOADINGS, STRENGTH AND DEFLECTION CALCS.
- F. ROOF TRUSSES TO BE SPACED AT 24"O.C. MAX; OPTIMIZE DESIGN AND VERIFY WITH CONTRACTOR, ARCHITECT, & ENGINEER.
- G. ROOF TRUSSES TO BE DESIGNED FOR THE SNOW AND WIND LOADS AS SHOWN IN TABLES AND ON DRAWINGS.

CONCRETE:

- A. TRANSIT MIXED CONCRETE SHALL CONFORM TO ASTM C94 SPECIFICATION FOR READY-MIXED CONCRETE.
- B. THE WATER CEMENT RATIO SHALL BE KEPT TO A MINIMUM, AND CONCRETE SLUMP SHALL NOT EXCEED 4 INCHES WHEN TESTED IN ACCORDANCE WITH ASTM C143.
- C. CONCRETE SHALL HAVE THE REQUIRED COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C39 AS FOLLOWS:
- |                       |                   |
|-----------------------|-------------------|
| SLAB                  | 4000 PSI          |
| FOUNDATION            | 3000 PSI          |
| TILT UP WALLS         | SEE SHOP DRAWINGS |
| RETAINING WALLS       | 3000 PSI          |
| GROUT FOR BASE PLATES | 4000 PSI          |
| DOCK WALLS            | 3000 PSI          |
- D. PORTLAND CEMENT SHALL CONFORM TO ASTM C150 SPECIFICATION FOR PORTLAND CEMENT.
- E. FINE AND COURSE AGGREGATES SHALL CONSIST OF CLEAN, HARD, STRONG AND DURABLE INERT MATERIAL, FREE OF INJURIOUS AMOUNTS OF DELETERIOUS SUBSTANCES AND CONFORM TO ASTM C33 SPECIFICATION FOR CONCRETE AGGREGATES.)
- F. MIXING WATER SHALL BE FREE OF ANY ACID, ALKALI, OIL OR ORGANIC MATERIAL THAT MAY INTERFERE WITH THE SETTING OF THE CEMENT.
- G. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. THE ENGINEER SHALL APPROVE ALL ADMIXTURES.
- H. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, BARS TO BE WELDED SHALL BE IDENTIFIED AS GRADE 60W.
- I. WELDED WIRE FABRIC OR GAGE AND SPACING SPECIFIED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A62
- MANUFACTURING & WAREHOUSE AREA SLABS: 6x6-W2.9xW2.9
  - OFFICE AREA SLABS: 6x6-W1.4xW1.4
- J. REINFORCING SHALL HAVE THE MINIMUM COVER REQUIREMENTS AS INDICATED IN ACI-318, LATEST EDITION WITH THE FOLLOWING MINIMUM VALUES:
- CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
  - FORM CAST AND PERMANENTLY EXPOSED TO EARTH OR WEATHER 1-1/2" FOR # 5 BAR AND SMALLER & 2" FOR # 6 BAR AND LARGER.
  -
- K. DIMENSIONS OF THE FINISHED PRODUCT SHALL BE WITHIN THE LIMITS RECOMMENDED BY ACI 117.
- L. ALL CONCRETE SHALL CURE A MINIMUM OF 7 DAYS. IF FORMS ARE REMOVED BEFORE THE END OF THE CURING PERIOD, COAT NEWLY EXPOSED SURFACES WITH LIQUID CURING COMPOUND.
- M. USE CURE-SEAL-HARDENER: ASHFORD FORMULA, ON THE FLOORS, A WATER-BASED CHEMICALLY REACTIVE PENETRATING SEALER AND HARDENER THAT SEALS BY DENSIFYING CONCRETE SO THAT WATER MOLECULES CANNOT PASS THROUGH BUT AIR AND WATER VAPOR CAN, AND ALLOWS CONCRETE TO ACHIEVE FULL COMPRESSIVE STRENGTH, MINIMIZING SURFACE CRAZING AND ELIMINATING DUSTING. INSTALL PER MANUFACTURES SPECIFICATIONS
- ABRASION RESISTANCE TO REVOLVING DISKS: AT LEAST A 32.5% IMPROVEMENT OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C779.
  - SURFACE ADHESION: AT LEAST A 22% INCREASE IN ADHESION FOR EPOXY WHEN TESTED IN ACCORDANCE WITH ASTM D3359.
  - HARDENING: AS FOLLOWS WHEN TESTED IN ACCORDANCE WITH ASTM C39:
    - AFTER 7 DAYS: AN INCREASE OF AT LEAST 40% OVER UNTREATED SAMPLES.
    - AFTER 28 DAYS: AN INCREASE OF AT LEAST 38% OVER UNTREATED SAMPLES.
  - COEFFICIENT OF FRICTION: 0.86 DRY, 0.69 WET WHEN TESTED IN ACCORDANCE WITH ASTM C1028.
  - REBOUND NUMBER: AN INCREASE OF AT LEAST 13.3% OVER UNTREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM C805.
  - LIGHT EXPOSURE DEGRADATION: NO EVIDENCE OF ADVERSE EFFECTS ON TREATED SAMPLES WHEN TESTED IN ACCORDANCE WITH ASTM G23.
- N. PROVIDE DOWELS IN WALL FOOTINGS WITH EQUAL SIZE AND SPACING AS VERTICAL WALL, UNLESS NOTED OTHERWISE.
- O. USE NON-SHRINK, NON-METALLIC GROUT UNDER BASE PLATES AS INDICATED ON THE DRAWINGS.
- P. THE CONCRETE CONTRACTOR SHALL COORDINATE ALL OTHER TRADES FOR SIZE AND LOCATION OF OPENINGS IN WALL AND FLOORS. ALL OPENINGS IN STRUCTURAL CONCRETE SHALL BE DETAILED OR APPROVED BY THE ENGINEER.
- Q. PLACE STEEL REINFORCEMENT AS PER CRSI STANDARDS.
- R. STEEL DESIGNATED CONTINUOUS (CONT.) #6 BARS OR SMALLER SHALL USE 33 INCH MINIMUM LAP LENGTH.
- S. PROVIDE SAWCUT CONTROL JOINTS AS SHOWN IN FOUNDATION PLANS OR AT SPACING NOT GREATER THAN 3X THE SLAB THICKNESS. SAWCUTS SHALL BE 1/3 THE SLAB DEPTH. PLACE SAWCUTS 1-1/2 HRS TO 4 HRS AFTER FINISHING BEFORE CONCRETE BEGINS TO COOL.
- T. HAND TOOLED CONTROL JOINTS MAY BE SUBSTITUTED FOR SAWCUT CONTROL JOINTS.
- U. ALL CONSTRUCTION & CONTROL JOINTS THAT ARE REQUIRED TO BE SEALED SHALL BE DONE SO IN ACCORDANCE WITH INSTRUCTIONS OF APPROVED MATERIAL MANUFACTURER. ADJUST CONTROL & CONSTRUCTION JOINTS TO ACHIEVE INSTALLATION PER SEALANT MANUFACTURER'S REQUIREMENTS.
- V. ALL ANCHORS THAT WILL BE EPOXY EMBEDDED NEED TO BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND STANDARDS. INSTALLER IS RESPONSIBLE FOR PROPER CLEAN OUT OF THE HOLE TO ENSURE THE HOLE IS DRY. INSTALLER IS TO NOTIFY ENGINEER IF VOIDS OR CRACKS ARE PRESENT IN THE DRILLED HOLE.

MINIMUM FASTENER SCHEDULE TABLE

OTHER INTERIOR AND EXTERIOR PRODUCTS AND FINISHES INSTALLED PER MANUFACTURER REQUIREMENTS.

FOR ENGINEERED CONNECTORS, USE MANUFACTURER'S SPECIFIED FASTENERS.

DESCRIPTION OF BUILDING MATERIAL/CONNECTION	NUMBER AND TYPE OF FASTENER
<b>FLOOR FRAMING</b>	
JOIST TO JOIST, FACE NAILED OVER SUPPORT	2-12d
JOIST TO SILL OR GIRDER, TOE NAIL	2-16d, 3-8d
BAND OR RIM JOIST TO JOIST, END NAIL	3-16d
BAND OR RIM JOIST TO SILL OR TOP PLATE	2-16d AT 16" O.C.
BRIDGING TO JOIST, TOE NAIL EACH END	
BUILT-UP GIRDER AND BEAM, TOP LOADED	10d AT 32" O.C. AT TOP AND BOTTOM AND STAGGERED AND TWO AT ENDS AND AT EACH SPLICE
	16d AT 16" O.C. AT TOP AND BOTTOM AND STAGGERED AND TWO AT ENDS AND AT EACH SPLICE
	3-16d EACH JOIST
	3-8d
BUILT-UP GIRDER AND BEAMS, SIDE-LOADED	
LEDGER STRIP TO BEAM, FACE NAIL	
JOIST ON LEDGER TO BEAM, TOE NAIL	
<b>WALL FRAMING</b>	
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d AT 16" O.C.
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE, TOE NAIL	4-8d or 3-16d
DOUBLE STUD, FACE NAIL	16d AT 24" O.C.
DOUBLE TOP PLATE, FACE NAIL	16d AT 16" O.C.
TOP PLATE, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" O.C. ALONG EACH EDGE
CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d
1" CORNER BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d OR 2 STAPLES, 1 3/4"
BUILT-UP CORNER STUDS	16d AT 30" O.C., 16d AT 24" O.C.
<b>ROOF/CEILING FRAMING</b>	
CEILING JOIST TO PLATE, TOE NAIL	2-16d, 3-8d
CEILING JOIST, LAP OVER PARTITIONS, FACE NAIL	3-16d
CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3-16d
RAFTER TO PLATE, TOE NAIL (MAX 6 RAFTER SPAN, ENG CONNECTOR FOR LONGER)	2-16d, 3-8d
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS, TOE NAIL	4-16d
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS, FACE NAIL	3-16d
COLLAR TIES TO RAFTERS, FACE NAIL	3-8d
<b>BOARDS AND PLANKS</b>	
1" x 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d OR 2 STAPLES 1 3/4"
WIDER THAN 1" x 6" SUBFLOOR TOE TO EACH JOIST, FACE NAIL	3-8d OR 4 STAPLES 1 3/4"
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
1"x8" ROOF OR WALL SHEATHING TO EACH BEARING, FACE NAIL	2-8d OR 2 STAPLES 1 3/4"
1"x8" ROOF OR WALL SHEATHING TO EACH BEARING, FACE NAIL	2-8d OR 3 STAPLES 1 3/4"
WIDER THAN 1"x8" ROOF SHEATHING TO EACH BEARING, FACE NAIL	3-8d OR 4 STAPLES 1 3/4"
2" PLANKS	2-16d AT EACH BEARING

PANEL SHEATHING		SPACING OF FASTENER	
MATERIAL	FASTENER	EDGES	INTERMEDIATE SUPPORTS
<b>ENGINEERED WOOD PANEL FOR SUB-FLOOR AND ROOF SHEATHING AND WALL CORNER WIND BRACING TO FRAMING</b>			
5/16" TO 1/2"	6d COMMON OR DEFORMED NAIL OR STAPLE, 1 1/2"	6"	12"
5/8" TO 3/4"	8d SMOOTH OR COMMON, 6d DEFORMED NAIL, OR STAPLE, 14 ga 1 3/4"	6"	12"
7/8" TO 1"	8d COMMON OR DEFORMED NAIL	6"	12"
1 1/8" TO 1 1/4"	10d SMOOTH OR COMMON, 8d DEFORMED NAIL	6"	12"
<b>COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING</b>			
3/4" OR LESS	8d DEFORMED OR 8d SMOOTH OR COMMON NAIL	6"	12"
7/8" TO 1"	8d SMOOTH COMMON OR DEFORMED NAIL	6"	12"
1 1/8" TO 1 1/4"	10d SMOOTH OR COMMON OR 8d DEFORMED NAIL	6"	12"
<b>WOOD PANEL SIDING TO FRAMING</b>			
1/2" OR LESS	6d CORROSION-RESISTANT SIDING AND CASING NAILS	6"	12"
5/8"	8d CORROSION-RESISTANT SIDING AND CASING NAILS		
1/2" STRUCTURAL CELLULOSIC FIBERBOARD	1 1/2" GALV ROOFING NAIL; 8d COMMON NAIL; STAPLE 16ga, 1 3/4" LONG	3"	6"
25/32" STRUCTURAL CELLULOSIC FIBERBOARD	1 3/4" GALV ROOFING NAIL; 8d COMMON NAIL; STAPLE 16ga, 1 3/4" LONG	3"	6"
1/2" GYPSUM SHEATHING	1 1/2" GALV ROOFING NAIL; 6d COMMON NAIL; STAPLE GALV 1 1/2" LONG; 1 1/4" SCREWS, TYPE W OR S	4"	8"
5/8" GYPSUM SHATHING	1 3/4" GALV ROOFING NAIL; 8d COMMON NAIL; STAPLE GALV 1 5/8" LONG; 1 5/8" SCREWS, TYPE W OR S	4"	8"

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SHEET TITLE

SPECIFICATIONS

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10.29.2018

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